

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. Contract ID Code Firm-Fixed-Price		Page 1 Of 40	
2. Amendment/Modification No.  P00006		3. Effective Date  2003DEC04		4. Requisition/Purchase Req No.  SEE SCHEDULE		5. Project No. (If applicable)	
6. Issued By  TACOM WARREN BLDG 231 AMSTA-AQ-ATBC JOSEPH K. SMITH (586)574-6377 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: SMITHJOE@TACOM.ARMY.MIL		Code W56HZV		7. Administered By (If other than Item 6)  DCMA SEATTLE CORPORATE CAMPUS EAST III 3009 112TH AVE., NE, SUITE 200 BELLEVUE WA 98004-8019		Code S4801A	
				SCD C PAS NONE ADP PT HQ0339			
8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)  FREIGHTLINER LLC 4747 N. CHANNEL AVE PORTLAND, OR. 97217  TYPE BUSINESS: Large Business Performing in U.S.				<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>		9A. Amendment Of Solicitation No.  9B. Dated (See Item 11)  10A. Modification Of Contract/Order No. DAAE07-00-D-S022  10B. Dated (See Item 13) 2000SEP08	
Code 64678		Facility Code					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. Accounting And Appropriation Data (If required) NO CHANGE TO OBLIGATION DATA							
13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS It Modifies The Contract/Order No. As Described In Item 14.							
KIND MOD CODE: G							
<input type="checkbox"/> A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.							
<input type="checkbox"/> B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).							
<input checked="" type="checkbox"/> C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of: MUTUAL AGREEMENT OF THE PARTIES							
<input type="checkbox"/> D. Other (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return _____ copies to the Issuing Office.							
14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  SEE SECOND PAGE FOR DESCRIPTION							
Contract Expiration Date: 2007DEC12							
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. Name And Title Of Signer (Type or print)				16A. Name And Title Of Contracting Officer (Type or print) GLORIA MCCracken MCCRACKG@TACOM.ARMY.MIL (586)574-6524			
15B. Contractor/Offeror  (Signature of person authorized to sign)		15C. Date Signed		16B. United States Of America  By _____ /SIGNED/ (Signature of Contracting Officer)		16C. Date Signed  2003DEC04	
NSN 7540-01-152-8070 PREVIOUS EDITIONS UNUSABLE				30-105-02		STANDARD FORM 30 (REV. 10-83) Prescribed by GSA FAR (48 CFR) 53.243	

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b> <b>PIIN/SIIN</b> DAAE07-00-D-S022 <b>MOD/AMD</b> P00006	<b>Page</b> 2 <b>of</b> 40
<b>Name of Offeror or Contractor:</b> FREIGHTLINER LLC		

SECTION A - SUPPLEMENTAL INFORMATION

The purpose of Modification P00006 to Contract DAAE07-00-D-S022 is:

1. To add the M915 Flatbed Trucks and the M915 Septic Tank Trucks to the contract. These vehicles are priced beginning in year 3 and ending in year 7 of the Contract. The prices for these vehicles, associated logistics support and new equipment training are set forth in this modification.

2. The following items are added by this modification:

a. Section C is revised as follows: Paragraphs C.1 and C.2 are revised to add the two new models. Paragraphs C.59, Integrated Logistics Support (ILS) Program, M915 Flat Bed Truck (M915/FLT-BD) and M915 Septic Tank Truck (M915/SEP-TK) and C.60 New Equipment Training (M915/FLT-BD) and M915 Septic Tank Truck (M915/SEP-TK) are hereby added to the Contract.

b. Section E is revised as follows: Paragraphs E.11 through E.17, the M915/FLT-BD, Truck, Flatbed Quality Requirements are added to the Contract. Paragraphs E.18 through E.24, the M915 Septic Tank Truck, Navy Quality Requirements are added to the Contract.

c. The following attachments are also added:

- (1) ATPD 2328, Purchase Description for the M915/FLT-BD, Truck, Flatbed dated January 10, 2003, Revision 1 dated February 21, 2003, Revision 2 dated November 4, 2003 and Revision 3 dated November 24, 2003.
- (2) ATPD 2330, Purchase Description for the M915/SEP-TK, Truck, Septic dated January 10, 2003, Revision 1 dated February 21, 2003, Revision 2 dated November 4, 2003 and Revision 3 dated November 24, 2003.
- (3) CDRLS A037, A038 and A039.
- (4) ATTACHMENT A, Publication Requirements.

d. The following Items are added:

- (1) 64000 - New Equipment Training for Septic Tank Trucks, 4th Contract Year.
- (2) 65000 - New Equipment Training for Septic Tank Trucks, 5th Contract Year.
- (3) 66000 - New Equipment Training for Septic Tank Trucks, 6th Contract Year.
- (4) 67000 - New Equipment Training for Septic Tank Trucks, 7th Contract Year.
- (5) 73000 - M915/FLT-BD, Flatbed Trucks, 3rd Contract Year.
- (6) 74000 - M915/FLT-BD, Flatbed Trucks, 4th Contract Year.
- (7) 75000 - M915/FLT-BD, Flatbed Trucks, 5th Contract Year.
- (8) 76000 - M915/FLT-BD, Flatbed Trucks, 6th Contract Year.
- (9) 77000 - M915/FLT-BD, Flatbed Trucks, 7th Contract Year.
- (10) 83000 - M915/SEP-TK, Septic Tank Truck, 3rd Contract Year.
- (11) 84000 - M915/SEP-TK, Septic Tank Truck, 4th Contract Year.
- (12) 85000 - M915/SEP-TK, Septic Tank Truck, 5th Contract Year.
- (13) 86000 - M915/SEP-TK, Septic Tank Truck, 6th Contract Year.
- (14) 87000 - M915/SEP-TK, Septic Tank Truck, 7th Contract Year.

3. The unit prices of the M915 Flatbed Truck and the M915 Septic Tank trucks are added to the vehicle price matrix sheets and are attached.

4. This modification also adds a total of 2, no cost Engineering Change Proposals (ECPs) to the Contract. These ECPs were previously approved and forwarded to Freightliner by email on October 22, 2003. The cover pages of these ECPs , showing the approval date and signatures, are attached.

a. E02-0120, Engine Oil Revisions, M915A3, approved October 22, 2003. No cost impact.

b. E03-0145, Winch hose and battery box mounting bracket revision, M916A3, approved October 22, 2003. No cost impact.

5. This modification also adds the following Engineering Release Letters (ERLs) to the Contract. These ERLs were previously forwarded to Freightliner by emails on October 17, 2003 and October 20, 2003. These revisions to the M917A2 and M916A3 vehicle purchase descriptions do not affect the price of the vehicles.

a. ERL - ATPD 2288 (M917A2), Revision 8 dated October 17, 2003.

b. ERL - ATPD 2288 (M917A2), Revision 9 dated October 20, 2003.

<b>CONTINUATION SHEET</b>	<b>Reference No. of Document Being Continued</b> <b>PIIN/SIIN</b> DAAE07-00-D-S022 <b>MOD/AMD</b> P00006	<b>Page</b> 3 <b>of</b> 40
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c. ERL - ATPD 2289 (M916A3), Revision 9 dated October 17, 2003.

6. As a result of this Modification, the total amount of the contract is neither increased nor decreased. All other terms and conditions remain unchanged.

\*\*\* END OF NARRATIVE A 008 \*\*\*

CONTINUATION SHEET	Reference No. of Document Being Continued		Page 4 of 40
	PIIN/SIIN DAAE07-00-D-S022	MOD/AMD P00006	
Name of Offeror or Contractor: FREIGHTLINER LLC			

SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS

\*\* PRICE MATRIX - M915A3 with Federal Retail Excise Tax Included in the Price  
CLINS/ORDERING PERIODS

	1000AA	2000AA	3000AA ***	4000AA ****	5000AA ****	6000AA ****	7000AA ****
	1st CONTRACT	2nd CONTRACT	3rd CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
	\$112,136.00	\$114,946.00	\$116,367.00	\$119,043.33	\$122,026.50	\$125,084.57	\$128,218.58
MAX QTY*SEE H.3	1000 X	1000	1000	1000	1000	1000	1000
EST. QUANTITY	571	284	276	156	17	0	0

\*\* PRICE MATRIX - M915A3 without Federal Retail Excise Tax Included in the Price  
CLINS/ORDERING PERIODS

	1000AA	2000AA	3000AA ***	4000AA ****	5000AA ****	6000AA ****	7000AA ****
	1st CONTRACT	2nd CONTRACT	3rd CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
	\$99,662.00	\$102,161.00	\$103,318.00	\$105,790.35	\$108,442.50	\$111,160.57	\$113,946.58
MAX QTY*SEE H.3	1000	1000	1000	1000	1000	1000	1000
EST. QUANTITY	571	284	276	156	17	0	0

\*\* PRICE MATRIX - M915A3 with Federal Retail Excise Tax Included in the Price  
PRICES ARE FOB DESTINATION

	41000AA	42000AA	43000AA ***	44000AA ****	45000AA ****	46000AA ****	47000AA ****
	1st CONTRACT	2nd CONTRACT	3rd CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
	\$113,111.00	\$115,945.00	\$117,391.00	\$120,093.33	\$123,102.50	\$126,187.57	\$129,399.58
MAX QTY*SEE H.3	1000	1000	1000	1000	1000	1000	1000
EST. QUANTITY	575	284	276	156	17	0	0

\*\* PRICE MATRIX - M915A3 without Federal Retail Excise Tax Included in the Price  
PRICES ARE FOB DESTINATION  
CLINS/ORDERING PERIODS

	41000AA	42000AA	43000AA ***	44000AA ****	45000AA ****	46000AA ****	47000AA ****
	1st CONTRACT	2nd CONTRACT	3th CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
	\$100,637.00	\$103,160.00	\$104,342.00	\$106,840.35	\$109,518.50	\$112,263.57	\$115,077.58
MAX QY*SEE H.3	1000	1000	1000	1000	1000	1000	1000
EST. QUANTITY	575	284	276	156	17	0	0

\* The Maximum and minimum order quantities are governed by Clause H.3.

\*\* The unit price of these vehicles remains the same regardless of the delivery rate or quantity range.

\*\*\* The unit prices for the M915A3 vehicles (Third Contract Year through Seventh Contract Year) are decreased by Modification P00003. This decrease due to deletion of prelubrication starting system and the addition of the Trailer ABS malfunction circuit.

\*\*\*\* The unit prices for years Four through Seven are further decreased by Modification P00004.

\* PRICE MATRIX - M915 Flat Bed Truck with Federal Retail Excise Tax Included in the Price

		73000	74000	75000	76000	77000
1st CONTRACT	2nd CONTRACT	3rd CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
N/A	N/A	N/A	\$145,060.00	\$149,023.00	\$153,095.00	\$157,282.00

\* PRICE MATRIX - M915 Flat Bed Truck without Federal Retail Excise Tax Included in the Price

		73000	74000	75000	76000	77000
1st CONTRACT	2nd CONTRACT	3rd CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
N/A	N/A	\$125,992.00	\$129,209.00	\$132,732.00	\$136,352.00	\$140,075.00

\* PRICE MATRIX - M915 Septic Tank Truck with Federal Retail Excise Tax Included in the Price

		83000	84000	85000	86000	87000
1st CONTRACT	2nd CONTRACT	3rd CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
N/A	N/A	N/A	\$180,402.00	\$185,245.00	\$190,219.00	\$195,328.00

\* PRICE MATRIX - M915 Septic Tank Truck without Federal Retail Excise Tax Included in the Price

		83000	84000	85000	86000	87000
1st CONTRACT	2nd CONTRACT	3rd CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
N/A	N/A	\$161,210.00	\$160,629.00	\$164,935.00	\$169.357.00	\$173,899.00

\* The maximum number of vehicles is 40 each M915 Flat Bed Trucks and 40 each M915 Septic Tank Trucks.

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Name of Offeror or Contractor: FREIGHTLINER LLC		

\*\* PRICE MATRIX - M917A2 without MCS and with Federal Retail Excise Tax Included in the Price

CLINS/ORDERING PERIODS

	21000AA	22000AA	23000AA	24000AA ***	25000AA ***	26000AA ***	27000AA ***
	1st CONTRACT	2nd CONTRACT	3th CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
	\$181,684.00	\$186,238.00	\$190,907.00	\$194,170.89	\$199,037.73	\$204,025.58	\$209,139.46
MAX QY*SEE H.3	1000	1000	1000	1000	1000	1000	1000
EST. QUANTITY	11	21	49	50	42	42	42

\*\* PRICE MATRIX - M917A2 without MCS and without Federal Retail Excise Tax Included in the Price

CLINS/ORDERING PERIODS

	21000AA	22000AA	23000AA	24000AA ***	25000AA ***	26000AA ***	27000AA ***
	1st CONTRACT	2nd CONTRACT	3th CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
	\$161,470.00	\$165,519.00	\$169,670.00	\$172,574.89	\$176,901.73	\$181,336.58	\$185,883.46
MAX QY*SEE H.3	1000	1000	1000	1000	1000	1000	1000
EST. QUANTITY	11	21	49	50	42	42	42

\*\* PRICE MATRIX - M917A2 with MCS and with Federal Retail Excise Tax Included in the Price

CLINS/ORDERING PERIODS

	21050AA	22050AA	23050AA	24050AA ***	25050AA ***	26050AA ***	27005AA ***
	1st CONTRACT	2nd CONTRACT	3th CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
	\$197,654.00	\$202,608.00	\$207,685.00	\$211,368.89	\$216,665.73	\$222,094.58	\$227,660.46
MAX QY*SEE H.3	1000	1000	1000	1000	1000	1000	1000
EST. QUANTITY	10	20	48	49	42	42	42

\*\* PRICE MATRIX - M917A2 with MCS and without Federal Retail Excise Tax Included in the Price

CLINS/ORDERING PERIODS

	21050AA	22050AA	23050AA	24050AA	25050AA	26050AA	27050AA
	1st CONTRACT	2nd CONTRACT	3th CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
	\$175,668.00	\$180,072.00	\$184,587.00	\$187,864.89	\$192,573.73	\$197,400.58	\$202,348.46
MAX QY*SEE H.3	1000	1000	1000	1000	1000	1000	1000
EST. QUANTITY	10	20	48	49	42	42	42

\* The Maximum and minimum order quantities are governed by Clause H.3

\*\* The unit price of the vehicle remains the same regardless of the delivery rate or quantity range.

\*\*\* The unit prices for years Four through Seven are decreased by Modification P00004

\*\* PRICE MATRIX - M916A3 with Federal Retail Excise Tax Included in the Price

CLINS/ORDERING PERIODS

	31000AA	32000AA	33000AA	34000AA ***	35000AA ***	36000AA ***	37000AA ***
	1st CONTRACT	2nd CONTRACT	3th CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
	\$161,082.00	\$165,121.00	\$169,261.00	\$187,912.14	\$192,622.13	\$197,450.04	\$202,397.88
MAX QY*SEE H.3	1000	1000	1000	1000	1000	1000	1000
EST. QUANTITY	1	27	57	121	136	77	77

\*\* PRICE MATRIX - M916A3 without Federal Retail Excise Tax Included in the Price

CLINS/ORDERING PERIODS

	31000AA	32000AA	33000AA	34000AA ***	35000AA ***	36000AA ***	37000AA ***
	1st CONTRACT	2nd CONTRACT	3th CONTRACT	4th CONTRACT	5th CONTRACT	6th CONTRACT	7th CONTRACT
	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR
	\$143,155.00	\$146,746.00	\$150,427.00	\$166,993.14	\$171,180.13	\$175,473.04	\$179,871.88
MAX QY*SEE H.3	1000	1000	1000	1000	1000	1000	1000
EST. QUANTITY	1	27	57	121	136	77	77

\* The Maximum and minimum order quantities are governed by Clause H.3

\*\* The unit price of the vehicle remains the same regardless of the delivery rate or quantity range.

\*\*\* The unit prices for years Four through Seven are increased by Modification P00004.

\*\*\* END OF NARRATIVE B 003 \*\*\*

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	PIIN/SIIN DAAE07-00-D-S022	MOD/AMD P00006	
Name of Offeror or Contractor: FREIGHTLINER LLC			

ITEM NO.	SUPPLIES/SERVICE	QTY	UNIT	UNIT PRICE	AMOUNT
1003	FIRST YEAR DATA REQUIREMENTS				
	NSN: N/A				
	FSCM: N/A				
	PART NR: N/A				
	SECURITY CLASS: UNCLASSIFIED				
	CONTRACT DATA REQUIREMENT for M915A3, M916A3 and M917A2 IAW DD FORM 1423, EXHIBIT A, consisting of the following Exhibit Line Numbers (ELINS): A0001 through A0036				
	Inspection and Acceptance Point: DESTINATION F.O.B. Point: DESTINATION Delivery Schedule: See DD Form 1423, Exhibit A.				
	Offerors should enter a separate price for each ELIN unless "NOT SEPARATELY PRICED" (NSP) is indicated next to it.				
	* The amounts for the following Data Items were changed by modification P00002				
	** ELINS A037, A038, A039 were added by Modification P00006.				
ELINS	Title of Data Item				
A001	Engineering Change Proposal (ECP)	1	LOT	NSP	\$NSP
A002	Product Drawings and Associated Lists	1	LOT	XXX	<u>\$75,303.00</u>
A003	Line Art Data Camouflage Basis Drawings	1	LOT	NSP	\$NSP
A004	Packaging/Logistics Data Entry	1	LOT	XXX	<u>\$6,577.00</u>
A005	Special Packaging Instructions	1	LOT	XXX	<u>\$486.00</u>
A006	Special Packaging Instructions Shipment & Storage (S&S) Instruction	1	LOT	XXX	<u>\$1,013.00</u>
A007	Container Design Retrieval System (CDRS) Search Request	1	LOT	NSP	\$NSP
A008	Container Design Retrieval System (CDRS) Data Input	1	LOT	NSP	\$NSP
A009	Safety Assessment Report (SAR)	1	LOT	NSP	\$NSP
A010	Logistics Management Information (LMI) Data Products Vehicle System Kits	1	LOT	XXX	<u>\$41,276.00</u>
A011	Logistics Management Information (LMI) Summaries Data Rights	1	LOT	NSP	\$NSP
A012	Logistics Management Information (LMI) Summaries Supportability Analysis Summaries (SAS)	1	LOT	XXX	<u>\$4,398.00</u>
A013	Maintenance Allocation Chart	1	LOT	XXX	<u>\$23,750.00</u>
A014	****NOT USED*****	N/A	N/A	N/A	N/A



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A015	Logistics Management Information (LMI) Data Products Provisioning Parts List (PPL)	1	LOT	XXX	<u>\$391,869.00</u>
A016	Logistics Management Information (LMI) Summaries Pre-procurement Screening	1	LOT	XXX	<u>\$4,659.00</u>
A017	Logistics Management Information (LMI) Data Products Supplementary Provisioning Technical Documentation (SPTD)	1	LOT	XXX	<u>\$57,456.00</u>
A018	Special Tools and Test Equipment List (TTEL)	1	LOT	XXX	<u>\$9,268.00</u>
A019	Logistics Management Information (LMI) Summaries Design Change Notice (DCN)	1	LOT	XXX	<u>\$696.00 per DCN</u>
A020	Logistics Management Information (LMI) Summaries Provisioning Parts List Index (PPLI)	1	LOT	XXX	<u>\$805.00</u>
A021	Technical Manuals Electronic Technical Manual (ETM) Operators- TM9-2320-xxx-10	1	LOT	XXX	<u>\$134,210.00</u>
A022	Technical Manuals Interactive Electronic Technical Manuals & Summaries (DEP & FDAP)	1	LOT	XXX	<u>\$3,308,069.00</u>
A023	Technical Report-Study/Services Intrusive Testability Analysis Report (ITAS)	1	LOT	NSP	\$NSP
A024	Commercial Off the Shelf Manuals (COTS) Interim Commercial Manuals	1	LOT	XXX	<u>\$14,346.00</u>
A025	Instructor (IG) and Student (SG) Guides NET/I&KP	1	LOT	XXX	<u>\$60,393.00</u>
A026	Training Material Training Course Completion Package	1	LOT	XXX	<u>\$216.00</u>
A027	Contract Field Service Report Field service Representative (FSR) Reports	1	LOT	NSP	\$NSP
A028	Failure Analysis and Corrective Action Report Product Quality Deficiency Reports (PQDR)	1	LOT	NSP	\$NSP
A029	Failure Analysis and Corrective Action Report	1	LOT	NSP	\$NSP
A030	Product Quality Deficiency Reports (PQDRs) For Government Furnished Equipment	1	LOT	NSP	\$NSP
A031	Conference Agenda	1	LOT	XXX	<u>\$1,132.00</u>
A032	Conference Minutes	1	LOT	XXX	<u>\$3,395.00</u>
A033	Government Furnished Material (GFM) Consumption Report	1	LOT	NSP	\$NSP
A034	Report of Shipping and Packaging Discrepancy	1	LOT	NSP	\$NSP

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Name of Offeror or Contractor: FREIGHTLINER LLC			

A035	Logistics Management Information (LMI) Summaries Warranty Performance Report	1	LOT	XXX	\$ <u>0</u>
A036	Oil Analysis Report	1	LOT	NSP	\$NSP
A037	Technical Manuals M915 Flat Bed + M915 Septic Tank Truck	1	LOT	NSP	<u>\$65,126.00</u>
A038	New Equipment Training Instructors + Student Guides	1	LOT	NSP	<u>\$37,398.00</u>
A039	New Equipment Training Certificate of training, student rosters, test papers, class evaluations	1	LOT	NSP	<u>NSP</u>

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**Name of Offeror or Contractor:** FREIGHTLINER LLC

ITEM NO.	SUPPLIES/SERVICE	QTY	UNIT	UNIT PRICE CONUS	AMOUNT
	M915 SEPTIC TANK TRUCK OPERATOR/OPERATOR MAINTENANCE UNIT MAINTENANCE/DIRECT SUPPORT MAINTENANCE CLASS in accordance with Section C.60 and the Terms and Condition found in this contract and ATPD 2330 dated January 10, 2003, Revision 1 dated February 21, 2003, Revision 2 dated November 4, 2003 and Revision 3 dated November 24, 2003.				
	Federal Retailers Excise Tax (FRET) does NOT apply				
	INSPECTION/ACCEPTANCE: Destination FOB: Destination				
64000	4th YEAR OPERATOR/OPERATOR MAINTENANCE CLASS (64000AA) 4th YEAR UNIT MAINTENANCE/DIRECT SUPPORT MAINTENANCE (64000AB)	1	EA	<u>\$XXXX</u>	\$ 7,169.00
		1	EA	<u>\$XXXX</u>	\$10,159.00
65000	5th YEAR OPERATOR/OPERATOR MAINTENANCE CLASS (65000AA) 5th YEAR UNIT MAINTENANCE/DIRECT SUPPORT MAINTENANCE (65000AB)	1	EA	<u>\$XXXX</u>	\$ 7,348.00
		1	EA	<u>\$XXXX</u>	\$10,413.00
66000	6th YEAR OPERATOR/OPERATOR MAINTENANCE CLASS (66000AA) 6th YEAR UNIT MAINTENANCE/DIRECT SUPPORT MAINTENANCE (66000AB)	1	EA	<u>\$XXXX</u>	\$ 7,532.00
		1	EA	<u>\$XXXX</u>	\$10,673.00
67000	7th YEAR OPERATOR/OPERATOR MAINTENANCE CLASS (67000AA) 7th YEAR UNIT MAINTENANCE/DIRECT SUPPORT MAINTENANCE (67000AB)	1	EA	<u>\$XXXX</u>	\$ 7,720.00
		1	EA	<u>\$XXXX</u>	\$10,940.00

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ITEM NO.

SUPPLIES/SERVICES

M915 Flat Bed Truck (M915/FLT-BD), in accordance with ATPD 2328 dated January 10, 2003, Revision 1 dated February 21, 2003, Revision 2 dated November 4, 2003, Revision 3 dated November 24, 2003, Section C and Section E.

This vehicle was added to the Contract by Modification P00006.

NSN: 2320-01-508-5032

Inspection/Acceptance: Origin  
F.O.B. Point: Origin  
Quantity variance: None

Vehicle Registration Numbers will be provided by the government at a later date.

MAXIMUM LOADING CHARGES shall be included in the unit price of each M915A3 Flat Bed Truck. See clause K-22, TRANSPORTATION DATA FOR F.O.B. ORIGIN OFFERS (SYSTEM PROCUREMENT)

PRESERVATION, PACKING AND MARKING:  
Preservation, packing and marking shall be IAW ATPD 2328 and Section D.

		Unit Prices	
		<u>1. with FRET</u>	<u>2. without FRET</u>
73000	3rd Contract Year (Applicable to first 12 trucks only added to Delivery Order 0024)	<u>N/A</u>	<u>\$125,992.00</u>
74000	4th Contract Year	<u>\$145,060.00</u>	<u>\$129,209.00</u>
75000	5th Contract Year	<u>\$149,023.00</u>	<u>\$132,732.00</u>
76000	6th Contract Year	<u>\$153,095.00</u>	<u>\$136,352.00</u>
77000	7th Contract Year	<u>\$157,282.00</u>	<u>\$140,075.00</u>

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ITEM NO.

SUPPLIES/SERVICES

M915 Septic Tank Truck (M915/SEP-TK), in accordance with ATPD 2330 dated January 10, 2003, Revision 1 dated February 21, 2003, Revision 2 dated November 4, 2003, Revision 3 dated November 24, 2003, Section C and Section E.

This vehicle was added to the Contract by Modification P00006.

NSN: 2320-01-508-5035

Inspection/Acceptance: Origin  
F.O.B. Point: Origin  
Quantity variance: None

Vehicle Registration Numbers will be provided by the government at a later date.

MAXIMUM LOADING CHARGES shall be included in the unit price of each M915A3 Septic Tank Truck. See clause K-22, TRANSPORTATION DATA FOR F.O.B. ORIGIN OFFERS (SYSTEM PROCUREMENT)

PRESERVATION, PACKING AND MARKING:  
Preservation, packing and marking shall be IAW ATPD 2330 and Section D.

		Unit Prices	
		<u>1. with FRET</u>	<u>2. without FRET</u>
83000	3rd Contract Year (Applicable to first 8 trucks only added to Delivery Order 0024)	<u>N/A</u>	<u>\$161,210.00</u>
84000	4th Contract Year	<u>\$180,402.00</u>	<u>\$160,629.00</u>
85000	5th Contract Year	<u>\$185,245.00</u>	<u>\$164,935.00</u>
86000	6th Contract Year	<u>\$190,219.00</u>	<u>\$169,357.00</u>
87000	7th Contract Year	<u>\$195,328.00</u>	<u>\$173,899.00</u>

\*\*\* END OF NARRATIVE B 004 \*\*\*

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SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

SECTION C  
M915 FOV NEXT GENERATION  
DESCRIPTION/SPECIFICATION INDEX

CLAUSE	CDRL	CLAUSE TITLE
C.1	NA	Vehicle Description
C.2	NA	General Requirements
C.3	A001	Engineering Change Proposal (ECP) - Vehicle Configuration
C.4	NA	Engineering Drawings and Drawing Submittal
C.5		Drawing Package
	A002	Product Drawings and Associated Lists
	A003	Drawing Packages - Camouflage Basis Drawing
C.6	NA	Packaging Program
C.7	NA	Special Group Items
C.8	A004	Packaging/Logistics Data Entry
C.9	A005	Special Packaging Instructions (SPI)
C.10	A006	Shipment and Storage (S&S) Instructions
C.11	A007	Container Design Retrieval System (CDRS)
C.12	A008	Reusable Container Development
C.13	NA	Safety Engineering
C.14	A009	Safety Assessment Report (SAR)
C.15	NA	Environmental Engineering
C.16		Vehicle System Kits
	A010	Logistics Management Information (LMI) Data Products/Vehicle System Kits (SPK)
		Installation & Supplementary Provisioning Technical Documentation (SPTD)
C.17	A011	Data Rights
C.18	NA	Integrated Logistics Support (ILS) Program
C.19	A012	Logistics Management Information (LMI) Summaries/Supportability Analysis Summaries (SAS), Maintenance Planning/Repair Analysis, (Maintenance Analysis)
C.20	A013	Maintenance Allocation Chart (MAC) (Changed per Mod P0002)
C.21	A014	Logistics Management Information Summaries/System Support Package (SSP)
C.22	NA	Provisioning Program
C.23	A015	Logistics Management Information (LMI) Data Products/Provisioning Provisioning Parts List (PPL)
	A016	LMI Summaries/LMI Data Products Pre-procurement Screening
C.24	A017	Logistics Management Information Data products/Supplementary Provisioning Technical Documentation (SPTD) (Drawings)

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C.25	A018	Special Equipment Tools and Test Equipment List/Tools and Test Equipment List (TTEL)	
C.26	A019	Logistics Management Information Summaries/Design Change Notice (DCN)	
C.27	A020	Logistics Management Information Summaries/Provisioning Parts List Index (PPLI)	
C.28	NA	Next Higher Assembly PLISNs and Overhaul Quantities	
C.29	NA	Contractor On-line Access	
C.30		Publications Program	
	A021	Technical Manuals/Electronic Technical Manual (ETM)	
	A022	Technical Manuals/Interactive Electronic Technical Manuals (IETMs) And Summaries	
C.31	A023	Technical Report-Study/Services Intrusive Testability Analysis Report (ITAS)	
C.32	NA	Technical Manual Validation and Verification (Option)	
C.33	A024	Commercial Off the Shelf Manuals (COTS)/Interim Commercial Technical Manuals	
C.34		New Equipment Training (NET) Program	
	A025	Training Material/Instruction Guide(IG)and Student Guide(SG)	
	A026	Training Material/Training Course Completion Reports	
C.35		Contractor Technical Assistance	
	A027	Contract Field Service Report	
C.36	NA	Quality Program	
C.37	NA	In-Process Inspection	
C.38	NA	Inspection Equipment	
C.39	NA	Inspection Records	
C.40	NA	Drawing for Inspection	
C.41	NA	Shakedown Test	
C.42	NA	First Production Vehicle Inspection (FPVI)	
C.43	NA	Vehicle Restoration	
C.44	A028	Failure Analysis and Corrective Action Report (FACAR)	
C.45	A029	Product Quality Deficiency (PDDQ) Reports	
C.46	A030	Product Quality Deficiency Reports for Government Furnished Equipment	
C.47	NA	Welding Requirements	
C.48	NA	Counterfeit Parts	
C.49	NA	Start of Work (SOW) Meeting	
C.50	NA	Maintenance, Provisioning and Publication (MPP) Reviews	
C.51	NA	Formal Program Status Reviews	
C.52	A031	Conference Agenda	
C.53	A032	Conference Minutes	
C.54	N/A	Equipment Control Record, DA Form 2408-9	

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C.55	A033	Government Furnished Material (GFM) Consumption Report/Consolidated Receipt and Consumption of GFM Report
C.56	A034	Report of Shipping and Packing Discrepancy
C.57	A035	Technical Report-Study/Services/Warranty Performance Report
C.58	A036	Oil Analysis Report
C.59	A037	Integrated Logistics Support (ILS) Program, M915 Flat Bed Truck and M915 Septic Tank Truck
C.60	A038	New Equipment Training, M915 Flat Bed Truck and M915 Septic Tank Truck

#### SECTION C

#### DESCRIPTION/SPECIFICATION

#### VEHICLES AND REQUIREMENTS

##### C.1 Vehicle Description

The M915 Family of Vehicles (FOV) is a five body style group of vehicles which share common components where practical and consist of the following:

a. M915A3 truck tractor, line haul. The M915A5 truck tractor is a 6x4 prime mover of flatbed and tanker semi-trailers used primarily to transport containers, bulk cargo and petroleum products over primary and secondary roads and trails under world-wide climatic conditions in a military environment. It has a diesel engine, automatic transmission, anti-lock brakes, air conditioning and a fully sliding 36 inch fifth wheel. It has a Gross Vehicle Weight Rating (GVWR) of 52,000 lbs. and is compatible with the M871/M872 Series, M1062 and M1062A1 semitrailers.

b. M916A3 Light Equipment Transporter (LET). The M916A3 LET will be used primarily with the M870 semitrailer, lowbed, 40 ton to transport engineer construction equipment in the local, line haul and maintenance evacuation missions on primary, secondary and off-road conditions. It has a diesel engine, automatic transmission, anti-lock brakes, air conditioning and a fully sliding 36 inch fifth wheel. The M916A3 has an on board winch capable of pulling engineer construction equipment onto the M870 semitrailer. The maximum Gross Combination Vehicle Weight (GCVW) of the M916A3 when towing the M870 40 ton semitrailer is 130,000 lbs.

c. M917A2 Dump Truck. The M917A2 dump truck will be used to load, transport, and dump payloads of sand and gravel aggregates, crushed rock, hot paving mixes, earth, clay, rubble and large boulders at engineering and construction sites under worldwide climatic conditions in a military environment. It has a diesel engine, automatic transmission, anti-lock brakes, air conditioning and a 18.5 ton Dump Body. The truck and its dump body will be rust-proofed and camouflage Chemical Agent Resistant Coating (CARC) painted. The dump truck shall satisfy EPA, SAE, DOT, FMVSS and FMCSR requirements applicable to dump trucks in the weight class at the time of manufacture.

d. M915 Flatbed Truck. The 10-ton flatbed truck is a multifunctional truck with the capability to transport a 10-ton ISO container, serve as a troop carrier or carry cargo over primary and secondary roads and trails under world-wide climatic conditions in a military environment. It has a Gross Vehicle Weight Rating of 52,000 lbs.

e. M915 Septic Tank Truck. The truck is for use in oil refineries, steel mills, power plants, sewer treatment plants, chemical plants, paper mills, manufacturing plants, and many other areas where the pumping of crude, sand, resin, packing rings, mill scale, grease, paint sludge, dirt and mud, silica, fly ash, lime, steel dust, rocks and thousands of other materials are performed.

##### C.2 General Requirements

- a. You shall deliver vehicles in accordance with the following:

<u>Vehicle Model</u>	<u>TACOM Purchase Description (ATPD)</u>
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M915A3 truck tractor	ATPD No. 2286
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M916A3 truck tractor	ATPD No. 2289
M917A2 dump truck	ATPD No. 2288
M915 Flatbed Truck	ATPD No. 2328
M915 Septic Tank Truck	ATPD No. 2330

b. You shall produce and deliver the five model trucks in accordance with Section B, the delivery schedule in Section F, any exercised options in Section H and the corresponding data requirements set forth in the Contract Data Requirements List (CDRL) DD form 1423 of this contract.

c. We refer to several data items in Section C. You shall prepare the data item submittals as described in the Data Item Descriptions and the Contract Data Requirements Lists. We have listed the following applicable references after the title of the clause for each data item:

- (1) Data Item Description (DID) number from Section J, Exhibit A
- (2) Contract Line Item Number (CLIN) from Section B
- (3) Exhibit Line Item Number (ELIN) from Section B and the Contract Data Requirements List (CDRL)Exhibit A from

Section J

d. Data Items will be submitted in electronic format using the latest mutually agreed to software version in one of the following forms in order of government preference.

- (1) You send data via E-Mail.
- (2) You establish a WEB site and allow certain government representatives access to it.
- (3) You mail Disks, CD ROM, or any other mutually accepted electronic media.

(4) You are provided access, if desired to the TACOM WEB site "www.tank-edi.com." A demonstration with instructions, guidance and information shall be provided upon your request.

CONFIGURATION MANAGEMENT AND DRAWINGS

C.3 Engineering Change Proposal (ECP) - Vehicle Configuration  
(DI-CMAN-80639B(T) - CDRL A001, Attachment A)

a. You shall propose changes to the established baselines, drawings and Purchase Descriptions, through submission of Engineering Change Proposals (ECPs) in electronic format. Sufficient supporting data to evaluate the proposed change, such as drawings, supplemental drawings, sketches, specifications, or manufacturer's data sheets, shall be submitted with ECPs. Changes to the established baseline shall only be made as set forth herein. All requested changes shall be made at no additional cost to us. If a change results in decreased cost, the Contracting Officer may require a downward equitable adjustment. If we desire a configuration change, the Procuring Contracting Officer (PCO) will direct you to submit an ECP and price proposal which you shall furnish at no cost.

b. Government Review and Approval Our approval does not constitute final acceptance of the change. We may require you to perform additional tests to verify acceptability of any changes you propose and we have approved. We will determine the extent of testing up to and including a complete First Article Test (FAT). We may require additional Environmental Stress Screening testing. You will perform the tests at no additional cost to us. We will disapprove changes for which our evaluations show they would have an unacceptable adverse effect on performance, reliability, maintainability or repair. The Procuring Contracting Officer will notify you of our approval of the changes and issue a modification to the contract to incorporate them.

c. Responsibility for Failure Due to Changes Our approval of your changes does not relieve you from your responsibility to furnish all items in conformance with the contract performance requirements. You shall accept full responsibility for any failure in the operation of the equipment, which renders the vehicle Not Operational Ready as a result of changes we approve.

d. Responsibility for Cost of Changes

(1) We shall not be responsible for additional costs to the vehicles, testing or software associated with any changes you submit and we approve.

(2) When a change results in reduced costs to you, we may obtain an equitable reduction in contract price. You must certify cost impacts and we may conduct post-changes approval audits.

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(3) We will reduce the contract amount for costs we incur due to your failure to inform us of the changes in a timely manner. These costs include, but are not limited to, replacement costs of obsolete parts and costs for technical manual changes.

(4) We will not be liable for any cost you incur, due to delay in contract performance, as a result of any of your requests for change.

e. Defense Logistic Agency (DLA) Requirements for ECPs: For ECPs affecting DLA items, you shall be responsible for furnishing an electronic copy of the approved ECP and any revised drawings to the appropriate DLA site to adequately support TACOM in the procurement of spare parts. We will identify the DLA office by an alpha/numerical code on the approved ECP when we return it to you to do the drawing change. The locations of DLA offices are as follows:

CODE NO. S9C	LOCATION Commander Defense Construction Supply Center 3990 E. Broad Street ATTN: DCSC-SD Columbus, OH 43216-5000 E-mail: bobjohnson@dsc.dla.mil
S9G	Commander Defense General Supply Jefferson Davis Highway ATTN: DGSC-SDA Richmond, VA 23297-5000 E-mail: dpaham@dscr.dla.mil
S9I	Commander Defense Industrial Supply Center 700 Robins Avenue ATTN: DISC-SDA Philadelphia, PA 119111-5096

C.4 Engineering Drawings and Drawing Submittal

a. You shall deliver all new drawings and drawing revisions as electronic data. You shall deliver engineering drawings in the following formats:

- (1) Native 2-D or 3-D solid CAD model.
- (2) A copy of the CAD model in the International Graphics Exchange Specification (IGES) version 5.2 format.

(3) JEDMICS C4 raster image. See Attachment B for a list of commercial products that support JEDMICS C4 format or contact the TACOM EDI Office at (810) 574-5305 for assistance.

b. You shall contact the Contracting Officer prior to delivery of the actual files for the File Type Number and other technical and interface data.

c. Larger drawings, such as J-K sizes, shall not have multiple plot files or frames.

d. Indexing Information. All files shall have proper indexing information. A DLF ASCII file shall accompany a set of engineering data files. The DLF ASCII file shall be formatted so that each record goes on a separate line and bars separate fields. See Attachment C for the JEDMICS Data File Index Structure (DFIS) spreadsheet describing the fields (with accompanying notes), together with a sample of a DLF file. The DLF file can be created using Index R software available on the Web at <http://jtshelp.redstone.army.mil>. The contractor may contact the TACOM EDI Office at (810) 574-5305 with questions related to file types, index extensions, and similar matters.

e. Delivery Media Requirements. Electronic data can be delivered on CD-ROMs (ISO 9660) or through FTP (File Transfer Protocol). You shall coordinate with the Contracting Officer on its final media format prior to delivery.

f. Physical Media. The physical media shall be labeled with the following information:

- (1) Contractor's name/CAGE
- (2) Contract Number
- (3) System

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- (4) The appropriate tape or disk number of the total, "Tape or Disk 2 of 3"; however, insert the appropriate numbers.
- (5) Range of document numbers included on the tape/disk.
- (6) For tapes only, list the operating system command (i.e. UNIX) used to archive the data.
- (7) Software version used for CAD, IGES, etc.

g. File Naming Convention. Files shall be delivered in batches. No batch shall include more than 50 files. Batches shall be sequentially named as b1, b2, b3,.....etc. Drawings files shall have names that correspond to the drawing number but not exceed 8 characters in length. File extensions can be obtained from TACOM EDI Office at (810)574-5305.

h. Geometry Creation Guidelines for 2-D and 3-D Models. Guidelines are included at Attachment D.

i. Telephone Numbers and Web Sites cited in section C.4 are provided solely for access to interface data and the clarification of technical matters. If you believe that any information secured from these sources effects a change to the Scope of Work, herein defined, you shall immediately contact the Contracting Officer, in accordance with the Changes Clause of this contract.

C.5 Drawing Package  
(DI-DRPR-81000 - CDRL A002)

a. You shall submit drawing packages reflecting the vehicle's configuration delivered under this contract for the Dressed Component Package including long life reusable containers.

b. You shall provide a complete set of new or revised dressed component drawings to the exact configuration concurrently with the first LMI Data (CDRL A018) deliverable for the engine, transmission, transfer and axle assemblies.

c. You shall deliver new or revised dressed component drawings with sufficient detail and unlimited rights suitable for us or our contractors to procure the specified dressed components using competitive acquisition procedures. A dressed component includes any and all accessory parts, attachments, mounting hardware and hang-on items, and is complete for installation in the vehicle systems delivered under this contract.

d. Camouflage Basis Drawings  
(DI-MISC-80176 - CDRL A003)

You shall provide camouflage basis drawings depicting exterior configuration of the M915A3, M916A3 and M917A2 vehicles. You will provide Autocad files from Computer Aided Design and Manufacturing (CADAM) data sets used to produce the camouflage basis drawings.

#### PACKAGING

C.6 Packaging Program

a. The packaging program requires you to provide packaging data systems entry to Commodity Command Standards Systems (CCSS) for the Engine, Transmission and Transfer and shipment and storage information for the M915 FOV.

b. You shall assess engineering and logistic changes for packaging impact. You shall provide revisions and additions to the packaging information when there is a packaging impact. You shall provide packaging impact statement with each ECP affecting the Shipping and Storage S&S Instructions or the Long Life Reusable Containers.

C.7 Special Group Items The engine, transmission and transfer shall be considered Special Group Items. If the packaging has not been completed for these items, you shall develop a Long Life Reusable Container for each of them.

C.8 Packaging/Logistics Data Entry  
(DI-ALSS-81529 - CDRL A004)

You shall electronically transmit packaging data entries to the TACOM Packaging File (PACQ). For each Special Group Item you shall provide read/write access to each packaging data entry prior to transmittal of data entries to the TACOM Packaging File. You shall provide the electronic data interface.

C.9 Special Packaging Instructions (SPI)  
(DI-PACK-80121B - CDRL A005)

a. For each long life reusable container (engine, transmission and transfer case), you shall prepare an SPI in a format that can be viewed, changed or commented upon, using the latest mutually agreed to software version. You shall provide read/write access to each SPI prior to transmitting it into our drawing storage system and configuration management system. You shall provide the electronic data interface.

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b. Electronic Data Interface You shall provide for the entry of SPI images into the Joint Engineering Data Management Information and Control System (JEDMICS). The electronically delivered models shall be in one of the following formats:

- (1) Native 3-D CAD models 2.
- (2) International Graphics Exchange Specification (IGES) in the latest mutually agreeable format.
- (3) CALS type 1 raster images per MIL-STD-1840 and MIL-PRF-28002.

C.10 Shipment and Storage Instructions (S&S)  
(DI-PACK-80121B - CDRL A006)

- a. You shall provide initial requirements and updates to the M915 FOV S&S instructions.
- b. Vehicles will be shipped in a drive-on, drive-off configuration, unless otherwise specified. You shall develop processing for:
  - (1) Short term transport/storage 180 days maximum for application when vehicle is in transport.
  - (2) Controlled Humidity storage 4 years maximum at a relative humidity of 45% maximum. Exercising requirements will be included.
  - (3) Open storage 2 years maximum. Exercising requirements will be included.
- c. All M915 FOV are subject to requirements of Code of Federal Regulation Title 49, for truck and rail transport, International Maritime Dangerous Goods Code, for vessel transport, and AFJMAN 24-204, for Military air. You shall include disassembly procedures to meet requirements for the applicable mode. Overseas shipments require some disassembly to minimize shipped tons costs. Instructions shall reflect all special requirements.
- d. You shall include packaging instructions for the Basic Issue Items (BII) and Components Of the End Item (COEI). The BII shall be packed separately from the COEI. These items shall be placed into an acceptable wood container in accordance with Table C.II of MIL-STD-2073-1C.
- e. You shall include figures showing the stowage location and security provisions for the BII and COEI. The stowage locations shall deter pilferage and shall not interfere with lifting, tie down or other transportation handling requirements.
- f. You shall provide revisions to the S&S Instructions for each design change affecting the vehicle's shipping configuration, weight or transportability. You shall also provide revisions to the S&S Instructions for each logistics change affecting packaging instructions for BII or COEI. When specified, you shall update Shipment & Storage Instructions to support improvements in vehicle processing methodology.
- g. You shall validate S&S Instructions. Validation for S&S Instructions shall verify the adequacy of the preservation, packaging, packing and stowage of BII/COEI, the preservation procedures for shipment and storage, and the exercising requirements for vehicles in long term storage. Government representative will verify and witness contractors validation.

C.11 Container Design Retrieval System (CDRS)  
(DI-PACK-80683 - CDRL A007)

- a. CDRS is a management system program to provide a DOD centralized automated data base system for storing, retrieving and analyzing existing container designs and test information concerning specialized containers. You shall use this system when making search requests for any reusable container designs.
- b. You shall make Search Requests for all reusable container designs. The purpose of the CDRS is to avoid duplication in container designs, minimize the number of new container designs being developed and promote reuse of existing DOD reusable containers for new item development and procurement.
- c. You shall provide assessment data to determine if existing container designs are suitable. You shall assess the fit and function of existing containers and compare costs of modifications and alternate new designs. Assessment data shall include analysis justifying the need for a new or modified container.

C.12 Reusable Container Development  
(DI-PACK-80684A - CDRL A008)

- a. In the event that you do not identify an appropriate container in the CDRS, you shall design a container and submit the design to the PCO for approval. The container shall protect the item from damage and deterioration when exposed to the standard storage and distribution requirements defined in ASTM D4169, distribution cycle 18, assurance level I, criterion 1 & 2.

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b. You shall notify us at least 30 days prior to your proposed container validation test date. Validation testing of containers will establish the capability of the containers to protect the integrity and serviceability of the items for which the containers are designed. Instrument records shall establish the capability of the container to protect the integrity and serviceability of the item for which the container is designed. Containers of this type frequently incorporate energy absorbing systems, dehumidification systems and other special features to insure protection for the item. Containers can be repaired and/or retrofitted to prolong its life or modified to adapt it for shipment of items other than that for which it was originally intended. Our representative will verify your validation.

c. You shall provide validation testing reports and photographic records for the container tests. The report shall contain, as appropriate, a description of the tests performed, results, shock and vibration recordings, static and dynamic clearances within the container and conclusions.

d. Upon receiving our approval of the design test report covering Reusable Containers, you shall complete a Technical Data Package (TDP) for the items designated IAW C.5. The TDP shall include engineering drawings and associated lists in sufficient detail to provide for a competitive procurement. You shall provide entry of drawing images and data to the TACOM TDCMS and JEDMICS.

**SAFETY AND ENVIRONMENTAL**

C.13      Safety Engineering You shall consider and implement safety engineering principles in the system design. System design and operational procedures that you develop shall consider but not be limited to the following:

a. Identifying hazards associated with the system by conducting safety analyses and hazard evaluations. Analysis shall include both operational and maintenance aspects of the vehicle along with potential interface problems with planned subsystems.

b. Eliminating or reducing significant hazards by appropriate design or material selection.

c. Controlling or minimizing hazards to personnel which cannot be avoided or eliminated.

d. Locating equipment components and controls so that access to them by personnel during operation, maintenance or adjustments shall not require exposure to hazards. Examples of hazards to be considered include: high temperatures, chemical burns, electrical shock, cutting edges, sharp points, or concentrations of toxic fumes above established threshold limit values. All moving parts, mechanical power transmission devices, exhaust system components, pneumatic components and hydraulic components which are of such a nature or so located as to be a hazard to operating or maintenance personnel shall either be enclosed or guarded. Protective devices shall not impair operational functions.

C.14      Safety Assessment Report (SAR)  
(DI-SAFT-80102A - CDRL A009)

a. As a result of the safety analyses, hazard evaluations, and any independent contractor testing, you shall perform and document a safety assessment. The safety assessment shall identify all safety features of the hardware, software, system design as well as any inherent hazards. The assessment will also outline any operations and maintenance procedures needed by the test agencies and the system user.

b. In the event the system is modified or procedural changes made after the final SAR is submitted, you shall update the SAR to reflect those modifications or changes.

C.15      Environmental Engineering You will use non-hazardous materials to the maximum extent practicable to manufacture the M915 FOV and will ensure that all materials used support the intended use of the vehicles. All materials and coatings used to enhance the performance of the vehicles should be non-hazardous and degrade over time or after disposal should not have any negative effect on the environment.

**KITS AND SUPPORT DATA**

C.16      Vehicle System Kits  
(CLIN 10000)

a. You shall provide one each of the following kits. Each shall be for the M915A3 vehicle, unless otherwise noted:

- (1) Mounting kit, M13 Decontamination Apparatus
- (2) Arctic Heater Kit, Engine and Personnel
- (3) Mounting Kit, Rifle
- (4) Cab Air Deflector Kit (Applies only to the M915A3 and the M916A3). Provide one for the M915A3 only.

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(5) M22 Automatic Chemical Agent Alarm Kit

(6) Spill Shield Kit (Applies only to M917A2 (both with and without MCS)). Provide one for the M917A2.

(7) Fog Lights (kit equals two each fog lamps)

b. Logistics Management Information (LMI) Data Products/ Vehicle System Kits Installation Instructions & Supplementary Provisioning Technical Documentation (SPTD) for Special Purpose Kits (SPK)  
(DI-DRPR-81000A - CDRL A010)

You shall provide a complete installation diagram identifying all kit components and parts which describes the location of the components/parts on each of the applicable vehicle systems. Installation instructions must be included.

c. Provisioning of kits You shall provision all kits specified above (regarding each of the three vehicle types, as applicable) in accordance with provisions in Sections C.23 and C.24.

C.17 Data Rights  
(DID DI-ALSS-81529, DI-ALSS-81530 - CDRL A011)

You shall provide data descriptions and error codes necessary to communicate with the electronic control modules and to maintain the electronically controlled subsystems. You shall provide the rights allowing us to reproduce the diagnostic data codes for issue into Army standard test equipment.

INTEGRATED LOGISTICS SUPPORT (ILS)

C.18 Integrated Logistics Support (ILS) Program

a. The ILS program described in the following paragraphs sets forth your work efforts required to develop, test, produce and deliver the logistics requirements to support the M915 FOV. All guidance material referenced throughout this scope of work and CDRLs may be obtained upon request of the ACO.

b. You are responsible for planning, managing and ensuring ILS considerations are an integral part of the overall system. You shall provide logistic management support that includes: Logistics Documentation, Program Configuration, Quality Management, Testing, Integrated Logistics Support, Maintenance Planning Analysis, Supply Support, Technical Publications, Support of Test Equipment and Operations and Maintenance Training.

C.19 Logistics Management Information Summaries/Supportability Analysis Summaries (SAS), Maintenance Planning/Repair Analysis and Maintenance Analysis (Changed per Mod P00002)  
(DI-ALSS-81530 - CDRL A012) For guidance see LSA Task Analysis and LSA Task 401.

a. You shall conduct maintenance analysis on all the new assemblies, sub-assemblies, spare parts, kits and identify the tools to define optimal maintenance activities that fully support the M915s FOV maintenance concept. This analysis shall be the basis for the operation/maintenance updates and additions to the current M915 FOV IETMs to incorporate the models being procured under this contract (i.e., M915A3(22), M916A3, and M917A2/E2).

b. You shall brief the maintenance analysis procedures and strategy you intend to employ at the Maintenance, Provisioning and Publications (MPP) Review guidance conference in conjunction with the first MPP review scheduled at 90 Days After Modification (DAM) has been approved and signed by all. Updates to any analysis procedures and strategy shall be briefed at each subsequent MPP and Program Review(s) thereafter.

C.20 Maintenance Allocation Chart (MAC) (Changed per Mod P00002)  
(MIL-STD-40051A and -40051A-6A - CDRL A013)

a. You shall provide an updated MAC that incorporates and addresses the new vehicle systems required under this contract and to address configuration changes/updates on the M915A3, M916A2 and M917A1s systems that are NOT associated with the new configurations being procured under this contract.

b. Use of LSA 004 and 020/030 Reports are acceptable for all items during MPP reviews.

c. The Maintenance Allocation Chart and the Tools and Test Equipment Requirements shall be employed to satisfy automated MAC delivery requirements.

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C.21 Logistics Management Information Summaries/System Support Package(SSP) (Changed per Mod P00002)  
(DI-ALSS-81530 - CDRL A014) For guidance see DI-ILSS-80532.

a. The System Support Package is a prepositioned composite package of support resources that is used for test site support at Aberdeen Proving Ground (APG), MD and technical manual verification, when specified by paragraph C.32. You shall provide items not furnished in sufficient quantity to the required location within 24 hours after notification of the shortage. All items that comprise an SSP shall be the same configuration and source used on the production vehicles.

b. You shall prepare and provide an SSP List, which lists all system support requirements for each test or technical manual verification site in support of the M915 FOV.

c. You shall assemble, furnish, pack and ship the SSP to the designated site(s). The SSP and SSP list shall consist of, as a minimum, the following:

(1) Spare parts All SSPs shall contain a sufficient amount of repair parts to meet the requirements arising from predicted failures, scheduled maintenance, mandatory replacement items and items that are most likely to be consumed or broken during any disassembly or assembly process (such as seals and gaskets) as a result of anticipated wear out to support the test requirements.

(2) Common and Special Tools, Test Measurement and Diagnostic Equipment (TMDE) The SSP list shall include all common and special tools, tool kits, equipment and TMDE identified in the Army Supply Catalogs required in support of the M915 FOV. These items shall be identified but need not be physically present in the SSP. Any tool or TMDE required to perform maintenance and any diagnostic maintenance procedures, to include any vendor or manufacturer software programs and/or hardware, that are not identified in the Army Supply Catalogs shall be identified on the SSP List and be physically present in the SSP. All tools & TMDE not listed in the Army Supply Catalogs shall be identified as Special Tools.

(3) Equipment Publications The most recent version of each equipment publications shall be identified on the SSP list and be included in the SSP. When changes and updates are made to any publication during testing or Technical Manual Verification, you shall provide them to TACOM, AMSTA-LC-CHHM, for approval and forwarding to the appropriate site(s).

(4) Basic Issue Items (BII) and Components of the End Item (COEI). BII as required by the specification and BII/COEI as required by your design shall be identified on the SSP list as well as included in the SSP.

(5) Expendables Supplies Expendable supplies such as petroleum, oils and lubricants shall be identified on the SSP list. Only unique products, not military standard, shall be included in the SSP.

(6) Support Equipment Equipment existing in the Army inventory to support the vehicle system, such as recovery vehicles or towing devices, shall be included on the SSP list.

(7) Diagnostic Kit You shall provide one diagnostic kit complete with DOS or Windows 95 compatible software and necessary hardware to retrieve historical data applicable to main electronic components that may include engine, Collision Warning System, and any other electronically controlled subsystems which feature data storage. The vehicle data buss(s) shall be defined by the subsystems employed (i.e. SAE J1708, J1939, J1850, and/or MIL-STD-1553B). Circuit and connector technology shall be provided in accordance with agreed upon recommended practices. The vehicle connectors and circuits to all data busses must be compatible with current standard Army test equipment.

C.22 Provisioning Program (Changed per MOD P00002)

a. The provisioning program for the M915 FOV in this contract has as a basis the existing PMR, under PCCN: C915A2. The end product for this provisioning program shall be a revised PMR that includes all new or changed assemblies, sub-assemblies, spare parts and kits to include Components of the End Item (COEI), Basic Issue Items (BII), Additional Authorized Items (AAL) and Special Tools required to support the M915A3/22, M916A3, M917A2s. You shall identify all common items as listed above that currently reside in the PMR with the addition of the UOCs of 5A3, 6A3 & 7A2/7E2s. Upon request we shall provide you with an updated PMR that you shall use as the baseline for developing new provisioning data. After Government approval of ECPs and/or production changes to previously provided data for the M916A2, M917A1s & M915A3 systems the new data relating to the new configuration shall be provided IAW CDRL A019 (DCNs).

b. Provisioning Contract Control Numbers (PCCN) The PCCNs for the M915 FOV is C915A2. Each vehicle variant is assigned its own unique Provisioning Control Code (PCC)/Use on Code (UOC) as follows:

	<u>Vehicle Model</u>	<u>PCC/UIC</u>
M915A3 truck tractor	5A3 (For clarity on this new version of the M915A3, serial number affectivity will be used in the PMR & TM, however, for discussion purposes only, we'll refer to it as the M915A3(22)).	
M916A3 truck tractor	6A3	
M917A2 dump truck	7A2	
M917A2 w/MCS dump truck	7E2	

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If the government determines that additional PCC/UOCs are required, they will be provided.

c. Provisioning Schedule and Reviews. (IAW Provisioning Requirements Statement ATTACHMENT "E".) You shall provide a provisioning performance schedule at the first MPP Review at 90 Days After Modification has been signed and agreed to by all concerned. This schedule shall provide an estimate of the number of items to be provisioned and the number of conferences that will be required. The maximum number of items at any 40 hour Maintenance, Provisioning and Publications (MPP) Review shall be 1,500 line items.

d. Our acceptance of provisioning data delivered under the provisions of this contract will be based upon the guidance contained in the Quality Assurance Provisioning Guidance Book (QAPG). The QAPG book will be provided upon request.

C.23 Logistics Management Information (LMI) Data Products/Provisioning Parts List (PPL) (Changed per Mod P00002)  
DI- ALSS-81529, Attachment E - CDRL A015) (For guidance see MIL-STD-1388-2B 036 Report)

a. You shall maintain provisioning data for the M915 FOV using the PCCN of C915A2 FOV Provisioning Master Record (PMR). You shall add items IAW paragraph C.22 for the M915A3(22), M916A3 & M917A2(s) and changed data for the entire M915 FOV (M915A3, M916A2, M917A1/E1) via the DCN process that will include the most recent production configurations, approved Engineering Change Proposals (ECPs) and Vendor & Manufacturer parts information changes. You shall prepare and deliver a LMI data product. You may use PPL-LSA-036 Report format for all items during MPP reviews.

b. Logistics Management Information Summaries/Pre-Pocurement Screening  
(DI-ALSS-81530, CDRL - A016) (For guidance see DI-V-7016F)\_

You shall conduct pre-procurement screening for all items to be provisioned. Drawings are not required for items accompanied by a copy of pre-procurement screening which indicates the item has a valid National Stock Number (NSN).

c. You shall have at each MPP Review the following:

- (1) Two hard copies of your LMI Data Product. An LSA 036 Report (PPL) format is acceptable.
- (2) One hard copy drawing for each part listed on the LMI Data Product Report that does not have an NSN.
- (3) A copy of your Pre-Procurement screening in PLISN sequence.

d. You shall insure that all submitted LMI Data Products are compatible with our Commodity Command Standard System (CCSS)/Provisioning On Line System (POLS), ADSM-18-LEA-JBE-ZZZ-UM-06. The data shall be capable of being loaded into our PMR without any modification to the data. As necessary, we will discuss the various methods you can deliver provisioning data.

e. You shall correct rejects within 30 days after we notify you of noted problems. The corrections shall be made by either modes listed in paragraph C.2.d formatted IAW Attachment E, Media Format Delivery for all LMI Data Products or modem access to the Provisioning On-Line System (POLS). POLS access will be at your expense.

f. You shall maintain and continuously update your Data File with the Provisioning Technical Documentation (PTD) Reports (X40CXX6034R) which we provide periodically. These reports will contain Part Number Changes, Failure Factor changes, Source/Maintenance/Recoverability Code, changes and additions and/or deletions throughout the contract.

C.24 Logistics Management Information Products/Supplementary Provisioning Technical Documentation (SPTD)/Drawings (Changed per Mod P00002)  
(DI-ALSS-81529 - CDRL A017) For guidance see Supplementary Provisioning Technical Documentation (SPTD) DI-V-7000A.

a. You shall have available at each MPP Review one hard copy SPTD/drawing for each item on the PPL for our review. These drawings shall include a parts list, detail and assembly drawings, interface control data, diagrams, performance characteristics and details of material for each Assembly, Sub-Assembly and Spare Part on the M915 FOV vehicle System.

- (1) The drawings shall be in Provisioning List Item Sequence Number (PLISN) sequence.
- (2) After we approve each drawing as being suitable for NSN assignment, the drawings shall be submitted on a CD in Adobe Acrobat.PDF file, or some other software product format that we agree to, 30 days after completion of each MPP Review.
- (3) Text on all drawings shall be in the English Language.
- (4) You shall have all approved vendor Commercial and Government Entity (CAGE) Code typed, stamped or written legibly with an authorized signature and date cited on all drawings.
- (5) Substitutes for drawings, such as commercial catalogs or catalog descriptions, sketches or photographs with brief



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descriptions or dimensions, material, mechanical, electrical or other descriptive characteristics, do not apply. Your use of such drawing substitutes is permitted only by exception, on a case by case basis, by the responsible Provision/Cataloging representative.

C.25 Special Equipment Tools and Test Equipment List (TTEL) (Changed per Mod P00002)  
(DI-ILSS-80868 - CDRL A018) For guidance see DI-V-7007A.

You shall prepare and deliver a TTEL IAW Para. 22, listing all peculiar support items for the new vehicles being procured under this contract that are not currently listed in the U.S. Army Supply Catalogs. A list of Supply Catalogs can be found in DA Pamphlet 25-30, Sec. 6. The TTEL List, with drawings shall be identified at the first MPP Review. After we approve your TTEL, you shall deliver the data for PMR entry concurrently with the first submittal of the LMI Data Product. Updates shall be provided with each subsequent delivery of the LMI Data Products. You may use PPL LSA-036 summary format for all items during MPP reviews. The contractor shall review and make updates, changes as required, to the TTEL previously provided for the M915A3, M916A2 & M917A1 vehicles and this data concurrently with the first submittal of the LMI data products.

C.26 Logistics Management Information Summaries/Design Change Notice (DCN) (Changed per Mod P00002)  
(DI-ALSS-ii1530 - CDRL A019) For guidance see DI-V-7009A.

You shall submit DCN information (IAW CDRLs A015, A016 & A017) for those design or part number changes which modify, add, delete or supersede any of the operating, maintenance or repair parts information that you provided previously for the entire M915 FOV. The information shall be provided at a maximum of 60 working days after Government ECP approval or a production change decision has been implemented. An approved ECP(s) shall be provided with each DCN submittal, as applicable.

C.27 RESERVED (PPLI CDRL A020 Deleted per Mod P00002)

C.28 Next Higher Assembly PLISNs and Overhaul Quantities (Changed per Mod P00002)

a. Next higher assembly (NHA) PLISNs and overhaul quantities (OVHL QTY) are used to identify and forecast repair parts requirements for all assemblies/subassemblies/components. OVHL QTY is the estimated number needed to support overhaul of 100 NHA.

b. You shall enter with each LMI Data Product the NHA and overhaul quantities for each item, as follows: Identify the immediate NHA PLISN, End Item PLISN, Indicator code and an Overhaul Quantity.

C.29 Contractor On-line Access

a. You may access the Provisioning On-line System (POLS) to make Provisioning Suspense File (PSF) corrections as an alternate to receiving validation reject reports from us and making the corrections on a subsequent submittal. We shall provide access by modem to the Provisioning On-Line System (POLS), if requested.

b. Additional access may be provided for ease of processing LMI data.

c. As necessary, we will discuss the procedures used to access POLS.

C.30 Publications Program (Changed per MOD P00002)

a. The government will provide the following technical manual products as the baseline documentation to be used for this program:

(1) Hard copy DA Technical Manuals w/all published changes:

- TM 9-2320-363-10, -20, -24P, -34
- TM 5-3805-264-14&P
- TM 9-2320-302-10

(2) Electronic Technical Manuals:

- TM 9-2320-302-10, -20, -34, -24P

(3) M915FOV IETM\*:

- TM 9-2320-363-10, -20, (-34, partial), -24P
- TM 9-2320-302-10, -20, (-34, partial), -24P
- TM 5-3805-264-14&P (partial)

\* TMs 9-2320-363/302-34 are not complete in the M915 FOV IETM and will be completed as part of this contract modification.

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b. This publication program requires you to prepare the following products.

(1) CDRL A021 - Operator's Manual for the M915A3(22), M916A3, and M917A2/E2. Information for the above listed models will be incorporated in the current M915A3 operator's IETM manual. This will be a change to TM 9-2320-302-10 instead of a new operator's manual and will include any changes due to Shake Down or PVT changes on the M915A3(22), M916A3 and M917A2/E2 configurations that occur after the delivery of the "Interim Revision" of this TM.

- Electronic Technical Manual
- Hard Copy Technical Manual
- Incorporate into M915 FOV IETM

(2) CDRL A022 - Technical Manuals/Interactive Electronic Technical Manuals (IETMs) Unit, Direct and General Support Maintenance Manuals and Repair Parts and Special Tools List (RPSTL) for the M915A3(22), M916A3 and M917A2/E2. Incorporate maintenance instructions, including RPSTL information for the M915A3(22), M916A3, M917A2 & M917E2 w/MCS vehicles into the M915 FOV IETM. The following additional requirements are identified below:

- Incorporate/complete TM 9-2320-363-34 into baseline M915 FOV IETM.
- Incorporate/complete Direct Support Maintenance from TM 5-3805-264-14&P into baseline M915 FOV IETM
- Incorporate maintenance hotspots into the M915 FOV IETM for the M915A3(22), M916A3, M917A2 & M917E2 configurations so that it matches the baseline IETM format.
- Incorporate complete POINT TO POINT hydraulic & electrical schematics supporting troubleshooting and maintenance for the M915A3, 5A3(22), M916A3, M917A2s. Also add the above for the M916A2, M917A1s and M915A2/6A1 to the extent possible.
- Prepare digital photographs of components with callouts to support the troubleshooting & maintenance sections of the M915 FOV baseline IETM.
- Add digitized photos, identifying vehicle models and their components with locators, to the PMCS tables in the baseline M915 FOV IETM.
- Provide a same style/same format change package for TM 9-2320-363-10, Change 1; TM 9-2320-363-20, Change 4; TM 9-2320-363-34, Change 2; TM 9-2320-363-24P, Change 1 (Hard copy); and TM 5-3805-264-14&P, Change 1 (Hard copy and ETM) to address changes/updates NOT associated with the new configurations being procured under this contract and incorporate these changes into the baseline M915 FOV IETM.
- Provide a hard copy revision to TM 9-2320-302-10; TM 9-2320-302-20; TM 9-2320-302-34 and TM 9-2320-302-24P to incorporate the new configurations being procured under this contract. These revised manuals will reflect the data incorporated into the baseline M915 FOV IETM. Provide hard copy manuals and .pdf files.

c. We shall conduct a MPP guidance conference at a place of the contractors choosing, 60 days after this modification has been signed and agreed to by all concerned parties. This meeting and future MPP Reviews will be used as forums to clarify any issues you may have on the publication requirements under this contract. You shall have a publications program which creates the required manuals that reflects all operating, maintenance procedures and repair parts required for the M915 FOV.

d. Preventive Maintenance Checks and Services (PMCS) You shall review and update the PMCS in support of the Operator's Manual, TM 9-2320-302-10 and Maintenance Manual TM 9-2320-302-20, as well as the -363 and 14&P manuals for the M915 FOV. You shall add digitized photos and locators for each model and/or component being addressed throughout the PMCS table, and incorporate these changes into the baseline IETM. The individual PMCS for the crew/operator and unit maintenance personnel shall be delivered as specified in the technical manual sections of this contract IAW MIL-STD-40051A and is subject to our approval. Initial submission of PMCS may be in the form of your choosing, with supporting artwork. Only approved PMCS shall be submitted. If requested by the Government, Draft Equipment Publication (DEP) pages will be acceptable to support testing.

e. For items new or changed supporting the M915 FOV, the levels of maintenance shall be separated into individual sections. Initial set up sections and pages will be added for each maintenance task that includes the following minimum data:

- (1) Equipment conditions
- (2) Materiel and parts
- (3) Special tools and TMDE
- (4) Technical manual references
- (5) Follow-on tasks

f. Technical manuals to be provided under this program are as follows:

(1) Technical Manuals/Electronic Technical Manual (ETM)/Interactive Electronic Technical Manual (IETM) Operator's Manual for the M915A3(22), M916A3 and M917A2/E2 (TM 9-2320-302-10)  
(MIL-STD-40051A - CDRL A021)

- You shall deliver a change to the DATM/ETM delivered under the "Interim SOW" for the M915A3 Operator's Manual (TM 9-2320-302-10) that incorporates all Shake Down or PVT and other publication changes to the M915A3(22), M916A3 and M917A2/E2 models being procured under this contract. This change shall be delivered as an "intelligent" linkable .pdf file. You shall deliver all word

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processing files, i.e. MS Word for Windows or equivalent, as well as CGM or TIFF illustration files used to generate the manual.

- Incorporate the complete operator and operator maintenance with all above changes for the M915A3(22), M916A3 and M917A2/E2 models into the baseline M915 FOV IETM.
- Provide a same style/same format change package for TM 9-2320-363-10, Change 1; TM 5-3805-264-14&P, Change 1, to address changes/updates NOT associated with the new configurations being procured under this contract. Provide hard copy change packages, .pdf change pages and incorporate these changes into the baseline M915 FOV IETM.

(2) Technical Manuals/Interactive Electronic Technical Manuals (IETMs) Unit, Direct and General Support Maintenance Manuals, TM9-2320-302-20 and TM9-2320-302-34, TM 9-2320-363-20, TM 9-2320-363-34 and TM 5-3805-264-14&P.  
(MIL STD 40051A - CDRL A022)

You shall develop the Unit, Direct Support and General Support maintenance data for the M915A3(22), M916A3 and M917A2/E2 models into the M915 FOV baseline IETM.

- (a) The IETMs shall cover all levels of operator and maintenance instructions: Unit, Direct and General Support including the Repair Parts and Special Tools List (RPSTL). The IETM will filter information by maintenance level and vehicle model. This filtering means that once a user chooses a particular maintenance level and/or particular vehicle model, only data pertaining to that level and/or vehicle model will be displayed as permitted by current configurations. Content of the IETM shall meet the content requirements of MIL-STD-40051A as appropriate.
- (b) You will continue to take full advantage of the intrusive testing and databus interrogation capability of the EMS software and the vehicle's on-board Electronic Control Units/Modules (ECUs/ECMs). The IETM troubleshooting will contain intrusive testing and databus interrogation to help the mechanic accurately isolate the fault. Your IETM's intrusive diagnostic approach will be based on our comment and review of your Intrusive Testability Analysis Report. The intrusive testing shall minimally include the following subsystems: engine and engine history data storage, transmission, anti-lock brake system (ABS), central tire inflation system (CTIS) and collision warning system (CWS).
- (c) You shall deliver the IETM in two different formats:
  1. The compiled (deployable) IETMs on a single master CD-ROM (ISO 9660).
  2. The uncompiled IETMs including all text, graphics and multi-media files on a separate CD-ROM.
- (d) You are required to validate the accuracy and usability of all publication deliverables. You shall have and use documented Quality Assurance (QA) processes and inspections in accordance with ANSI/ISO/ASQC Q9001. We have the right to review validation records and witness validation processes. We have the right to verify all publication deliverables. Our reviews and verification may be done through statistical sampling and a mix of on-screen review and actual performance; but could include actual performance of all procedures and review of all screens, if deemed necessary by the Government. We do not intend to review and verify every screen at every review, but rely on complete, careful editing and review by the contractor. If there are indications that you have performed incomplete or inadequate QA reviews, we may elect to perform additional reviews and return products for rework.
- (e) Incorporate/complete TM 9-2320-363-34 into baseline M915 FOV baseline IETM.
- (f) Incorporate/complete the Direct Support Maintenance from TM 5-3805-264-14&P into baseline M915 FOV IETM.
- (g) Provide a same style/same format change package for TM 9-2320-363-20, Change 4; TM 9-2320-363-34, Change 2, and TM 9-2320-363-24P, Change 1 to address changes/updates NOT associated with the new configurations being procured under this contract. Provide hard copy change packages (no ETMs required) and incorporate these changes into the baseline M915 FOV IETM.
- (h) Provide a same style/same format change package for TM 9-2320-302-20, Change 1; TM 9-2320-302-34, Change 1, and TM 9-2320-302-24P, Change 1 to address changes/updates NOT associated with the new configurations being procured under this contract. Provide hard copy change packages, .pdf change pages and incorporate these changes into the baseline M915 FOV IETM.
- (i) Provide a hard copy revision to TM 9-2320-302-20; TM 9-2320-302-34; and TM 9-2320-302-24P to incorporate the new configurations being procured under this contract. These revised manuals will reflect the data incorporated into the baseline M915 FOV IETM. Provide hard copy manuals and .pdf files.
- (3) Repair Parts and Special Tools List (RPSTL) TM 9-2320-302-24P, TM 5-3805-264-14&P, & TM 9-2320-363-24P  
(MIL-STD-40051A - CDRL A022)

You shall update the baseline IETM for the unit, direct support and general support Repair Parts and Special Tools (RPSTL) technical manual to incorporate the M915A3(22), M916A3 & M917A2/7E2 models procured under this contract.

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You shall also incorporate changes/updates NOT associated with the new configurations being procured under this contract in the baseline M915 FOV IETM. In addition, you shall also provide the following DATM/ETM products:

- TM 9-2320-363-24P, Change 1 (hard copy only).
- TM 5-3805-264-14&P, Change 1 (hard copy only).
- TM 9-2320-302-24P, Change 1 (ETM/DATM)

C.31 Technical Report-Study/Services, Intrusive Testability Analysis Report (ITAS)  
(DI-MISC-80508 - CDRL A023)

You shall analyze the intrusive testability of all electronically controlled subsystems on-board the M915 FOV to determine their potential to enhance the troubleshooting process through intrusive diagnostics. The analysis of these components shall include all feasible intrusive tests and interrogations and their beneficial use for isolating a fault. You shall develop and deliver a report summarizing your analysis that describes the feasible intrusive tests and interrogations and benefits and non-benefits to the troubleshooting process.

C.32 Technical Manual Validation and Verification (Option) (Changed per Mod P00002)

a. Validation You shall conduct a data validation for each technical manual being changed for the M915 FOV.

(1) We will not conduct a separate hands-on government verification, which would duplicate your effort, unless otherwise requested by the government on a case-by-case basis. Our verification is aimed at insuring your technical manual program procedures and methodology are adequate. You shall demonstrate --your process and controls to incorporate the new and changed operating and maintenance procedures and repair parts into the existing or new manuals. You remain responsible for the quality, adequacy of the data and adequacy of the manuals. We reserve the right to monitor your technical manual validation on the vehicle systems beginning six months after contract award.

(2) Our acceptance of the manuals during the validation process is contingent on your demonstrating that your quality procedures were implemented and effective. If the technical manuals contain errors, which exceed the stated objectives of your quality program, we reserve the right to conduct a separate verification program.

(3) You shall correct all errors we discover in the technical manuals during our quality reviews at no additional cost to us.

(4) We will not conduct a separate hands-on government verification, which would duplicate your effort, unless we decide to on a case by case basis. When we decide to conduct a verification, it will be aimed at insuring your technical manual program procedures and methodology are adequate.

b. Verification (Optional)

If we believe a verification of ETM/IETM procedures is required, the PCO shall send a Request for Proposal (RFP) a minimum of 60 days prior to each Verification. You shall provide personnel, a vehicle, assembly(ies), or component(s), and any unique special tools or TMDE and diagnostic software at your verification location that will allow us to perform a complete Verification. We may request this Verification at some other location (TBD) than at your sub-contractors facility. The site/location will be identified as part of RFP. We shall bear all travel, lodging and associated costs for our personnel at your location. Your travel, lodging and associated cost requirements shall be included as part of your RFP proposal for Verification requested at any other Government location (i.e. test centers, TACOM or other).

C.33 Commercial Off-the Shelf (COTS) Manuals/Interim Commercial Technical Manuals (Changed per Mod P00002)  
(DI-TMSS-80527A(T) - CDRL A024)

We require Interim Commercial Manuals to support each variant of the M915 FOV from the start of Shake Down testing or Initial Production Test to the period when IETMs become available. These manuals shall be your standard manuals provided to your customers which describe operation and maintenance of your vehicles and a parts manual/BOM which contains all the parts on the M915 FOV. The technical manuals shall provide maintenance and repair parts information allowing them to be used at the Army's Unit, Direct and General Support levels of maintenance and operational information for the vehicle operator.

NEW EQUIPMENT TRAINING

C.34 New Equipment Training (NET) Program

a. You shall provide a qualified instructor to present training and furnish training aids, training equipment and training course material to Army personnel for training on the M915 FOV vehicle operation, Operator Preventative Maintenance Checks and Services (PMCS) and unit/direct support maintenance.

b. Description of Training You shall price one each of the two classes described below which will be used to train both

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operators and maintenance personnel at the M915 FOV gaining unit activity and Instructor & Key Personnel (I&KP) at locations described below for a maximum of twelve students per class to support NET as follows:

(1) Operator/Operator Maintenance You shall provide instruction of at least sixteen hours on operating the vehicle and operator maintenance, including PMCS. Emphasis should be placed on operating and maintenance safety, operating over trails, using the various controls and gages as well as coupling/uncoupling of its assigned semitrailers. The before PMCS operation will be conducted by each student.

(2) Unit Maintenance/Direct Support Maintenance You shall provide instruction for unit level and direct support maintenance not to exceed forty hours, including PMCS. Emphasis should be placed on electronic trouble-shooting using the PROLINK 9000 data reader or SPORT, depending on what system is assigned. The special tool sets will be identified and their use demonstrated. The course of instruction shall contain at least 70 per cent hands-on experience.

c. Training Material/Instructor Guide (IG) and Student Guide (SG)  
(DI-ILSS-80872 (T) - CDRL A025)

You shall provide Instructor Guides (IG) and Student Guides (SG) to support all training courses for operator, unit and direct support maintenance training. The SG will include all the material contained on the end of course test. The Government Training POC will provide samples of the IG and SG to you upon request.

d. Training Material/Training Course Completion Package  
(DI-ILSS-80872(T) - CDRL A026)

You shall complete and present the Government furnished Certificates of Training to each student who successfully completes the course. You shall submit a roster of students along with their test papers, and Government furnished class evaluations sheet to the government upon completion of each class.

e. Locations:

(1) Operator, Unit and D/S Maintenance Training This training shall be conducted at Active Army, Army Reserve and Army National Guard facilities in the Continental United States. You shall be provided a minimum of 30 days notice for CONUS training and 45 days for OCONUS training, which will be determined at a later date.

(2) I&KP Two training courses consisting of Operator/Unit Maintenance and Unit and Direct Support Maintenance will be conducted at Aberdeen Proving Ground, MD and at a location to be determined.

f. Travel Expenses A funding ceiling regarding travel expenses shall be negotiated separately prior to call up of the option services. The travel costs incurred in satisfying the requirement shall be reimbursed in accordance with FAR 31.205-46, subject to the ceiling. See also H.15.

g. Training Coordination We will coordinate the training required at each fielding site and mutually agree to all schedules. You shall advise us of support required at each training site.

C.35 Contractor Technical Assistance

a. Field Service Representative (FSR) You shall provide FSRs who are thoroughly experienced and qualified to advise and make recommendations to orient and instruct key Government personnel with respect to operation, maintenance, repair and contractor parts supply for the M915 FOV and their components.

b. FSR Personal Data You shall make available personal data related to the FSRs including documentary evidence such as birth certification and such evidence as is requested by the Governments installation or area in which services are to be performed. You shall request approval for each FSR and include a statement of qualification for each representative. Our approval shall be limited to granting or denying security clearance for the person(s) named.

c. Man-Days

You shall provide 30 man-days of service for each year of contract performance, to locations in both CONUS and OCONUS, as we may request. You shall furnish Man-days of service in accordance with CLINs 41000, 42000, 43000, 44000, 45000, 46000 and 47000. We may reduce the number of days of service to be furnished to the extent necessary to conform to our requirements and we shall be obligated to pay for only actual days of service used. Each reduction in quantity shall be at the Man-day rate established.

d. Travel Costs/Invoices/Notice

(1) The Man-day rate is exclusive of travel costs. A funded ceiling regarding travel costs shall be negotiated separately prior to call-up of specific technical assistance. The travel costs incurred in satisfying the requirement shall be

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reimbursed in accordance with FAR 31.205-46, subject to the funded celing.

(2) The Man-Day rate shall include local transportation in commuting to a base or job site, whenever such costs have been incurred by the individual as a result of an assignment where we do not or cannot make available quarters and messing facilities at the installation where the services are being performed or provide Government transportation. Your invoices for reimbursement for service and/or travel costs shall carry your certification of the actual man-days/months services performed and travel costs incurred. You shall forward these invoices and certifications to the Administrative Contracting Officer for verification of costs and payment. Your invoices shall include attached receipts for costs for which you seek reimbursement. You shall assure all transportation of personnel under this provision is accomplished by the most economical means available consistent with providing timely FSR services. The Contracting officer or his authorized representative shall notify the contractor of the date representative(s) are required at least 10 days in advance of CONUS travel and 20 days in advance of OCONUS travel. Instructions and established itineraries will be provided as necessary.

- e. Contract Field Service Report/Field Service Representative (FSR) Reports  
(DI-MGMT-81238(T) - CDRL A027)

Each FSR shall prepare and deliver via e-mail a report within 10 working days following each assignment covering his activities.

f. Man-day of Service A Man-Day is 8 hours. The representative is to work no more than 8 hours per day, 40 hours per week. A Man-day of service includes any period during which the representative is delayed or prevented from performing any task only if the delay or non-performance is solely our fault. Man-Day(s) of service include travel time for initial travel from contractor's facility to site of work, for travel between sites of work, and to contractor's facility. It also includes any time that the FSR is preparing required reports at the work site and we can verify the time involved in writing the report.

g. Man-day Cost The Man-day rate does not include travel costs costs (transportation,lodging, meals and incidental expenses). But see paragraph d above regarding local transportation.

h. Saturday/Sunday When work is not performed on a Saturday/Sunday, and the representative is on site, a man-day shall be charged at the Saturday/Sunday man-day per diem rate only.

i. Holidays We will pay for official U.S. holidays in addition to the actual days worked. We are not responsible for vacation and other holidays and sick leave pay. We are responsible for actual days worked by any qualified contractor representative. It is immaterial whether the same representative completes the assignment. We shall be responsible for only one complete round-trip transportation (including transportation between sites of work) per assignment.

QUALITY, INSPECTION, TEST AND ACCEPTANCE

C.36 Quality Program.

a. As the contractor, you shall implement and maintain a quality system that ensures the conformity of all products or services you furnish under this contract to the requirements of this contract. Your quality system shall achieve defect prevention and process control, providing adequate quality controls throughout all areas of contract performance.

b. Your quality system may be based on international quality standards such as the ISO 9000 series, military, commercial or national quality standards.

c. At any point during contract performance, we have the right to review your quality system to assess its effectiveness in meeting contractual requirements.

C.37 In-Process Inspection.

You shall identify and establish in-process inspection points and inspections where the absence of such inspections could adversely affect quality. These inspections shall evaluate the conformance of materials, welding, workmanship and processes to contractual and vehicle purchase description requirements. The government reserves the right to either witness or conduct its own in-process inspection. All in-process inspections conducted during fabrication shall be made at the contractors or subcontractor's facilities prior to the application of primer or paint.

C.38 Inspection Equipment.

You shall be responsible to supply and maintain all inspection and test equipment necessary to assure the vehicle system and components conform to contract requirements. All inspection equipment shall be available for use at the start of production. You shall make available to us applicable and necessary inspection equipment for use during vehicle system inspection. We will return all inspection equipment upon completion of inspection. You shall apply best commercial practice to maintain your inspection and test equipment used in the inspection of the vehicle systems.

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C.39 Inspection Records

You shall maintain and make available to us all records of examinations and tests performed on material used to produce each vehicle system. This documentation shall describe deficiencies found during inspection and all corrective action undertaken to correct these deficiencies. These records shall be maintained for a period of four years following completion of the contract.

C.40 Drawings For Inspection

When requested, you shall provide legible drawings and printed specifications to which each vehicle system was manufactured. These drawings and specifications shall be annotated to your latest revision. After we complete the production inspection and acceptance, we will return all drawings and specifications to you.

C.41 Shakedown Test

Prior to Production Verification Testing, you shall conduct a Shakedown Test on one each M915A5, one each M917A2, and one each M916A3 body style. You shall submit the proposed test site and test plan to us for approval 30 days prior to the start of the test. The test mission profile and mileage for each vehicle is as follows:

	Mission Profile (in Miles)		
	Primary Road	Secondary Road	Trail
M915A3 Tractor	700	250	50
M916A3 Tractor	500	450	50
M917A2 Dump Truck	450	450	100

a. Shakedown Test Report You shall prepare a shakedown test report at the completion of the test. The test report shall be in sufficient detail for separate formulation of conclusion by interested parties not witnessing the test/ inspection. You shall record deficiencies as informational, minor, major and critical, as well as corrective actions taken or proposed. The final report shall be provided to us.

b. Shakedown Test Failure Failure of the Shakedown Test vehicle to meet any contractual requirement, specification requirement, design, welding or workmanship requirement shall be cause for rejection of the Shakedown Test Vehicle. Correction of deficiencies shall be accomplished by you at no cost to us on all vehicles produced under the contract. In the event of a Shakedown Test failure, you may be required at our option, to repeat any or all of the Shakedown Test. Any deficiencies found as a result of the Shakedown Test shall be prima facie evidence that all vehicles are similarly deficient, unless evidence to the contrary is furnished by the contractor and such evidence is acceptable to the Contracting Officer.

C.42 First Production Vehicle Inspection (FPVI)

You shall perform a First Production Vehicle Inspection using the clauses contained in this contract and as stated and referenced in the Vehicle Purchase Description. At least 20 calendar days prior to submission of the First Production Vehicles for inspection, you shall furnish written notice to the Administrating Contracting Officer, Procuring Contracting Officer and the Product Quality Manager of the time and location of the inspection so we may witness and participate in the inspection. You shall make available to us any record of inspections and tests which have previously been conducted on the FPVI vehicles and their components.

a. FPVI Report You shall prepare a FPVI test report at completion of FPVI. The test report shall be in sufficient detail for separate formulation of conclusions by interested parties not witnessing the test/inspection. The report shall address deficiencies discovered and corrective actions taken.

b. FPVI Approval The Contracting Officer shall, by written notice to you within 20 calendar days after receipt of the inspection reports, approve, conditionally approve or reject the FPVI report. The notice of final approval or conditional approval will not relieve you from complying with all requirements of the Vehicle Purchase Description and all other terms and conditions of this contract. A notice of conditional approval will state any further action required of you. A notice of rejection shall cite the reasons for the failure.

c. FPVI Re-Inspection If we reject the FPVI, you may be required at our option to repeat any or all of the FPVI. After notification of the additional inspection, You shall make any necessary changes, modifications or repairs to the First Production Vehicles. We have the option to select another production vehicle for FPVI in lieu of the original FPV. Upon completion of additional inspection(s), You shall again submit a FPVI report. You shall bear all costs related to additional FPVI and responsibility for delays resulting from additional FPVI.

d. FPVI Vehicle Standard After completion of each FPVI, the vehicle shall be restored to a like new condition at your expense. The First Production Vehicle shall then be retained as the manufacturing standard vehicle until completion of the contract and submitted as the last unit to be delivered under the contract. All configuration changes as a result of drawing and/or specification

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modifications taking place after the FPVI shall be made to the First Production Vehicle so these vehicles will be representative of the current configuration throughout the life of the contract.

C.43      Vehicle Restoration Upon completion of the Shakedown Test and Follow On Production Test you shall restore these vehicles to a like new condition at no cost to us. You shall be responsible for round trip transportation costs for these test vehicles.

C.44      Failure Analysis And Corrective Action Report (FACAR).  
(DI-RELI-81315 - CDRL A030)

You shall be responsible for accessing Aberdeen Proving Grounds computer data bases for all Test Incident Report data during Production Verification and Follow On Production Tests. Upon acquiring a Test Incident Report (TIR), you shall assess the failure and shall furnish a Failure Analysis and Corrective Action Report with the proposed corrective action for each reported TIR. The FACAR shall indicate corrective action status as "final" or "interim."

a. FACAR Interim Response Times You shall provide interim failure analysis and corrective action responses after notification within the following times:

- (1) Critical Defect - 48 hours
- (2) Major Defect - 10 days
- (3) Minor Defect - 30 days No interim response required.
- (4) Informational - 30 days, if requested

b. FACAR Final Response Times A consolidated final response is required for all defects (Critical, Major and Minor) within thirty (30) calendar days after completion of testing. If your response is rejected, you will be officially notified and shall be required to resubmit the response within thirty (30) calendar days. Failure to provide the interim and final failure analysis/corrective action reports within the specified time limits or failure to provide the Government an acceptable response shall be cause for the reduction or suspension of the Government provided progress payments and/or suspension of vehicle acceptance.

C.45      Product Quality Deficiency Reports  
(DI-RELI-81315 CDRL A029)

a. Upon receipt of Product Quality Deficiency Reports (PQDRs) on fielded vehicles, you shall take the following actions:

- (1) Verify the reported deficiency and begin an investigation.
- (2) Request any necessary exhibits.
- (3) Perform failure analysis and determine root cause.
- (4) Implement any interim action.
- (5) Determine extent of problem, severity, and long term impact.
- (6) Develop and implement permanent corrective action.
- (7) Document corrective action.
- (8) Assess the corrective action effectiveness.

b. You are responsible for all shipping costs associated with exhibits being returned to your facility for analysis. If the PQDR investigation reveals deficiencies attributed to contractor workmanship or non-conformance to contract requirements, you shall repair or replace the deficient items as deemed necessary by the PCO. Corrective actions requiring configuration changes shall be approved by us prior to implementation. Category I PQDRs shall be responded to within 48 hours and category II PQDRs shall be responded to within 30 days. In the event a final response cannot be provided within the specified time frame, an interim response for category I PQDRs shall be provided every 10 days and every 30 days for category II PQDRs until a final response is received.

C.46      Product Quality Deficiency Reports for Government Furnished Equipment  
(DI-QCIC-80736 - CDRL A030)

You shall conduct an inspection on Government Furnished Equipment at time of receipt and provide for its secure storage. Any deficiencies should be reported on the Product Quality Deficiency Report (PQDR), SF-368.

C.47      Welding Requirements Welding procedures and welder qualification shall be in accordance with AWS D 1.1 and AWS D 1.2.

C.48      Counterfeit Parts You shall establish, implement and maintain documented procedures which shall identify and preclude the use of counterfeit parts in production and shall impose similar requirements on subcontractors.

CONFERENCES

C.49      Start of Work (SOW) Meeting

a. You shall host a Start of Work (SOW) meeting within 30 days after contract award at your facility. Arrangement for this



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meeting shall be made between you and the ACO who will coordinate with the PCO. The primary purpose of the meeting is for you to brief your contract performance plan (both hardware and data items) and provide a forum for us to answer questions concerning specific requirements. You shall submit a list of questions to the PCO 15 days prior to the SOW meeting. This list of questions will serve as an agenda item to be discussed during the SOW meeting.

b. Government Furnished Materiel (GFM) We shall brief GFM requirements and schedule.

c. Integrated Logistics Support (ILS) Your presentation for ILS shall contain a detailed description of the procedures, actions, events and organization you intend to employ to accomplish the ILS program, such as, Design Influence and Integration, Maintenance Planning, Supply Support Planning (including provisioning, Support Equipment, Test Equipment, TMDE Planning, Training, Technical Manuals development, Packaging, ECP & DCN processing and your Quality Management program). You shall identify personnel assigned logistics responsibilities and establish milestones for executing the ILS program. You shall also describe your processes that will be employed in planning, developing and acquiring the logistics resources required for test support and operational support at all specified maintenance levels.

d. Engineering and Configuration Management Your presenta-tion for engineering items and configuration management shall contain a detailed description of the procedures, actions, events and organization you intend to employ to accomplish the mission.

C.50 Maintenance, Provisioning and Publication (MPP) Reviews

a. The initial MPP Review of documentation shall be held on or about 120 days after contract award (Attachment A). Subsequent reviews shall be held approximately every 90 days, as necessary, until all required data is approved and LMI Data Products information is entered into the Provisioning Master Record (PMR) including all data covering any configuration or part number changes, updates or deletes (DCNs).

b. Your Logistics Management Information (LMI) Data Products & Summaries will be reviewed by our MPP Review Team for accuracy and completeness. You shall have available supportive material and maintenance rationale for all LMI data presented for our review. These MPP Reviews shall be held alternately at our facility in Warren, MI and your facility. When the reviews are at your facility, you shall provide a meeting place, administrative support, office equipment and clerical support as required.

C.51 Formal Program Status Reviews

You shall prepare and present Program Reviews to be held approximately every 6 months alternately at your and our Warren, MI facility. The topics shall include, but are not limited to the following: work effort status, logistics, engineering, schedule, test progress and corrective actions. You shall prepare meeting minutes and include identification of items requiring specific actions, response dates and responsible organization. Other government agencies and contractors may be in attendance.

C.52 Conference Agenda  
(DI-ADMN-81249A - CDRL A031)

You shall prepare conference agendas of mutually agreed upon topics prior to the Start of Work (SOW) and all Program Reviews, Engineering Meetings and MPP Reviews. The agendas will be comprised of topics mutually agreed to by the participating parties and shall be submitted at least 10 days prior to the start of the meeting/review/conference.

C.53 Conference Minutes  
(DI-ADMN-81250A - CDRL A032)

You shall prepare minutes of meetings for the Start of Work, MPP Reviews, Semi-annual Program Reviews and special meetings for which an agenda has been developed. Distribution shall be made IAW CDRL A039.

C.54 Equipment Control Record, DA Form 2408-9

You shall submit the Form 2408-9 for each vehicle IAW DA-PAM 738-75 and make distribution as follows:

- a. Add the number 3 copy of DA Form 2408-9 in the vehicle log book binder with each vehicle shipment.
- b. Send the number 1 copy of the 2408-9 to: CDR, USALOGS, ATTN: AMXLS-RR, Redstone Arsenal, AL 35898-7466.
- c. The number 2 copy of the 2408-9 shall be sent to: USATACOM, ATTN: AMSTA-LC-CHHM, Warren, MI 48397-5000.

Bulk shipments of monthly production is acceptable.

C.55 Government Furnished Material (GFM) Consumption Report/Consolidated Receipt and Consumption of Government Furnished Material (GFM) Report

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(DI-MGMT-80438A(T) - CDRL A033)

You shall e-mail to us a copy in contractor format the Consolidated Receipt and Consumption of Government Furnished Material Report within ten working days of receipt of GFM.

C.56      Report of Shipping and Packaging Discrepancy  
(DI-MGMT-80503 - CDRL A034)

You shall report to us when freight contents do not agree with the requested material on the shipping invoice.

C.57      Technical Report - Study/Services/Warranty Performance Report  
(DI-MISC-80508 - CDRL A035)

You shall submit a warranty report in your format which describes the summary of warranty activity for six month periods and provides data indicating the Vehicle Model Number, part number(s) involved, nomenclature, short description of the problem/damage, number of claims in descending order and cost of each repair and labor to include totals for each claim during the report period.

C.58      Oil Analysis Report  
(DI-MISC-80390 - CDRL A036)

You shall furnish oil analysis data for the engine, transmission and hydraulic system in Contractor format. Information shall consist of data identified on DI-MISC-80390 of items not currently registered in the AOAP. Your candidates for this analysis will be discussed and finalized at the ILS SOW.

C.59      Integrated Logistics Support (ILS) Program, M915 Flat Bed Truck (M915/FLT-BD) and M915 Septic Tank Truck (M915/SEP-TK) (CDRL A037)

1. The ILS program described in the following paragraphs sets forth the work efforts required to develop, produce and deliver the logistics requirements to support the M915 Flat Bed Truck (M915/FLT-BD) and M915 Septic Tank Truck (M915/SEP-TK).
  - a. You are responsible for planning, managing and ensuring ILS considerations are an integral part of the overall system. You shall provide logistic management support that includes the items identified below.
  - b. You shall host an ILS Start of Work (SOW)/In Process Review (IPR) and technical meeting within 15 days after contract award at a location of your choosing. Arrangements for this meeting shall be made between you and the ACO who will coordinate with the PCO. Your ILS concepts and plans to execute them shall be briefed at the Logistics SOW/IPR. The primary purposes of the meeting are for you to brief your concept to execute the contract and provide a forum for us to answer questions concerning specific requirements. For the ILS portion, your presentation shall contain a detailed description of the procedures, actions, event and organization you intend to employ to accomplish the development and integration of the two different body styles in the SOMARPI. For the technical portion, your presentation shall provide us with a description of the design and integration of the chassis and body styles of the M915/FLT-BD and M915/SEP-TK, to include a description of the chassis and special purpose body integration and assembly. You shall submit a list of any questions or concerns to the PCO prior to the SOW.
2. The M915 Flat Bed Truck and the M915 Septic Tank Truck will have technical documentation from two manuals.
  - a. TM 9-2320-302 Series. This series covers all operations and maintenance for the M915 chassis operation.
  - b. Supplemental Operation, Maintenance, and Repair Parts Instructions (SOMARPI). This manual covers all operation and maintenance for the special purpose bodies, the M915/FLT-BD and M915/SEP-TK.
3. The contractor shall deliver a complete paper copy and one (1) each CD in Adobe Acrobat Electronic Technical Manual (ETM) of the Supplemental Operation, Maintenance, and Repair Parts Instructions (SOMARPI) with supplementation as identified in the paragraphs below. You shall obtain sufficient copies of the most current commercial manuals supporting the M915/FLT-BD and the M915/SEP-TK Tractor from the hardware manufacturers for the purposes of this contract. The SOMARPI shall include complete operation, maintenance and repair parts support for the M915/FLT-BD, UOC: FLT and M915/SEP-TK, UOC: SEP per ATTACHMENT A, Publications Requirements and related Contract Data Requirements List (CDRL), DD Form 1423.
4. The contractor shall prepare and deliver the SOMARPI using ATTACHMENT A, Publication Requirements and related DD Form 1423. The SOMARPI shall include: operator and unit level Preventive Maintenance Checks and Services (PMCS) with lubrication instructions, Maintenance Allocation Chart (MAC), Basic Issue Items (BII), Additional Authorized List (AAL), Components of End Item (COEI), References, Special Tool List, Part Number Cross Reference List, DA Form 2028, and Army covers for commercial manuals. Supplemental data shall also include all information not contained in existing M915 TM i.e. TM 9-2320-302 series manuals reflecting and supporting any military unique requirements of the M915/FLT-BD and M915/SEP-TK Trucks.
5. The SOMARPI and ETMs cited herein shall reflect and support the military configuration of the M915/FLT-BD and M915/SEP-

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TK, including modifications to meet any Army unique hardware requirements.

6. The contractor shall integrate any new or unique operator level PMCS, BII, AAL, and COEIs into the SOMARPI. The contractor shall integrate the unit level PMCS, MAC, and special tool list into the SOMARPI. The contractor shall integrate the part number cross-reference list with art into the SOMARPI. The contractor shall integrate all military unique items into the appropriate sections of the SOMARPI.

7. The Operators Manual (TM 9-2320-302-10) and the Warranty TB (TB-2320-302-15 Navy trucks) shall be overpacked in each vehicle per the basic contract and SOMARPI.

8. The contractor shall perform a 100% desktop validation of all supplemental data developed for integration into the SOMARPI. The validation shall ensure that all supplemental data is complete, technically and editorially accurate, and compatible with existing information in the commercial manuals. The contractor shall ensure the SOMARPI data accurately reflects and supports the M915/FLT/BD and M915/SEP-TK configurations provided, including all configuration changes resulting from all testing, vendor parts supply, and production line changes. The contractor shall also 100% validate the ETMs cited herein to ensure they are complete, accurate, and properly functioning. The contractor shall deliver a validation plan, in contractor format, informing the Government of all planned validation activities. As a minimum, the validation plan shall include start date, time, duration, and location of validation prior to the start of validation.

9. The contractor shall correct all errors found in the SOMARPI, ETMs, and electronic data files resulting from Government reviews at no additional cost to the Government.

C.60 NEW EQUIPMENT TRAINING, M915 Flat Bed Truck (M915/FLT-BD) and M915 Septic Tank Truck (M915/SEP-TK)(CDRL A038, A039)

a. New Equipment Training (NET). New Equipment Training will be provided at Williamsburg, VA . Dates and time will be determined by the Navy Command. You should also report the name, address and phone number of your training coordinator to the TACOM M915 FOV Training Coordinator, Ray Smigiel, (Commercial, 586-574-6300). The TACOM Coordinator will arrange the required training based upon your specific needs. Contractor Team personnel will provide the course of instructors. This training consists of one (1) 24 hours of operation training and one (1) thirty-two hours of unit and direct support maintenance. This training is intended for 12 students per class. These personnel are expected to carry on the training with other unit personnel who will operate and maintain the equipment. Training materials are issued to each student for the purpose of assisting future training. TACOM does not issue Drivers Licenses nor will this training in itself qualify an operator for a license.

b. Operator/Operator Maintenance Class. The class consists of 24 hours emphasizes on operation of the vehicle, PMCS, and operation of the Septic Tank.

c. Operator Unit and Direct Support Maintenance Class. This class consists of 32 hours, emphasis on new technology using electronic diagnostic equipment, such as the Maintenance Support Device (MSD) with IETM, DDEC Reports, ABS brakes and air conditioning.

\*\*\* END OF NARRATIVE C 001 \*\*\*

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SECTION E - INSPECTION AND ACCEPTANCE

SECTION E  
QUALITY, INSPECTION AND ACCEPTANCE

QUALITY REQUIREMENTS

E.1 First Article Approval-Government Testing

The General Provision entitled "First Article Approval-Government Testing" (FAR 52.209-4 Alternate II) is applicable to this contract. The First Article requirement under this contract includes the Shakedown Test, First Production Vehicle Inspection (FPVI) and Production Verification Test (PVT).

E.2 Production verification Test (PVT)

a. The following vehicles are selected as the PVT vehicles with MCS, 1 each, Delivery Order 0001, CLIN 0002AA; M917A2 without MCS, 1 each, Delivery Order 0001, CLIN 0003AA; and M916A3, 1 each, Delivery Order 0002, CLIN 0003AB. The vehicles shall be subjected to tests as cited in the Vehicles Purchase Description. We shall conduct the M917A2 and M917A2 w/MCS Dump Truck test at the Aberdeen Test Center (ATC), Aberdeen, MD. These vehicles shall be tested for a total of 10,000 miles. The M916A3 Truck Tractor test shall be conducted at Yuma Proving Ground, Yuma, AZ. This vehicle shall be tested for 12,000 miles.

b. In the event of vehicle failure, we reserve the right to retest the vehicle after all defects are corrected. You shall bear the responsibility for delays in the program test period resulting from the vehicle defects or failure to furnish timely parts support. We shall have the right to extend PVT testing for your induced delay. You shall be responsible for all costs associated with the retest of PVT.

E.2.1 PERFORMANCE. The M916A3 Truck Tractor and M917A2 w/MCS Dump Truck will complete performance testing as specified in the Purchase Description.

PRODUCTION VERIFICATION TEST

	ENDURANCE TESTING	PERFORMANCE
M917A2 Dump Truck	1	1*
M916A3 Tractor	1	0**

- \* M917A2 w/MCS
- \*\* Endurance test vehicle used for performance

E.3 PVT Result Notification

We will notify you within 150 days after receipt of the test vehicles indicating that we approve, conditionally approve or reject the Production Verification Test. The notice of approval or conditional approval shall not relieve you from complying with all the requirements of the purchase description and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required. A notice of disapproval shall cite reasons for disapproval. If we reject the PVT, the test vehicles are rejected until evidence is provided that corrective action has been taken to eliminate the defect(s). In the event of a PVT failure, you may be required at our option to repeat any or all of the PVT. Any defect found during PVT shall be prima facie evidence that all items produced prior to PVT are similarly deficient. You shall correct all defects at your expense.

E.4 Engineering Change Inspection and Test

You shall not make any change(s) to any vehicle system or component part after acceptance of the PVT unless the change(s) are approved through the Engineering Change Proposal (ECP) process.

a. We reserve the right to inspect the vehicle systems or components at your expense in order to determine whether changes submitted by ECP should be approved. Any production or delivery delays caused by our re-inspection will not be considered as an "excusable delay" since "excusable delay" is used in the contract article entitled "Default". In addition, such delays shall not be the basis for an upward adjustment in contract prices or an extension of delivery schedules.

b. We reserve the right to conduct additional testing at your expense if we believe any proposed engineering change may have a potential negative impact on the ability of the vehicle to meet the requirements of the vehicle performance specification.

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E.5      Follow on Production Test (FOT)

- a. We reserve the right to conduct a Follow On Production Test at a Government Proving Ground. We shall select one (1) vehicle at our discretion from the production quantity. The FOT may be conducted for each production year.
- b. Failure of the FOT vehicle shall be cause for test failure until the contractor provides evidence that corrective action has been taken to eliminate any deficiency. Any deficiency found during or as a result of FOT shall be prima facie evidence that all vehicles produced under this contract are similarly deficient. Any vehicle failure discovered during testing is considered to apply to all vehicles.
- c. In the event of vehicle failure, we may retest the vehicle after all defects are corrected. You shall bear the responsibility for delays in the program test period resulting from vehicle defects or failure to furnish timely parts support. We shall have the right to extend FOT testing for delay resulting from such defects or failure. You shall be responsible for all costs associated with retest of FOT.

E.6      Contractor Support for Government Tests. The contractor shall provide a system support package for each test stated in E.2. You shall furnish, within 24 hours, repair parts for failed components on both PVT and FOT vehicles at the selected Government Proving Ground.

E.7      Control Test Failure If the vehicle selected fails to pass any of the control tests, the Government inspector shall stop acceptance and testing of subsequent vehicles until such time as conditions causing the failure have been corrected. If the deficiency is design in nature, all models shall be considered similarly effected. All defects found during testing shall be prima facie evidence that all vehicles accepted subsequent to the previous acceptable control test vehicle are similarly defective unless evidence satisfactory to the contracting officer is provided by the contractor that they are not similarly deficient. Such defects shall be corrected by you at no cost to us. Another vehicle, of the same model, with corrective actions applied shall be subjected to the control test.

E.8      Change of Suppliers If the contractor elects to change sources of supply for any vehicle component after conditional acceptance of the vehicle configuration, the Government reserves the right to conduct additional inspections prior to acceptance of any item contained in the new component. The contractor shall be responsible for costs of inspection and test to assure the components meet specification criteria. Any production or delivery delays caused by the additional inspection/testing shall not be "excusable delays" as the term "excusable delays" is defined in the contract as "Default". Further, such delays shall not form the basis for adjustments in price or delivery schedules.

E.9      Certifications All certifications provided by the contractor shall include appropriate supporting documentation such as, but not limited to; test data, material analysis, drawings, purchase orders, specifications, etc. In the event that particular certifications are not acceptable to the government, the contractor shall conduct additional examinations and tests and/or provide additional documentation as required to verify conformance at no additional cost to the government.

- a. The contractor shall provide a new or updated certification whenever a change is made in the:
  - (1) Process used to provide a certified product.
  - (2) Legal requirement for a standard of a certified product.
  - (3) Supplier of a certified product.
  - (4) Event of a new contract/rebuy.
- b. Subcontracting does not relieve you from providing all the necessary supporting documentation for all certifications provided to us.

E.10      52.246-4024 SUBSTITUTING COMMERCIAL TEST RESULTS FOR REQUIRED CONTRACT TESTS (TACOM)

- (a) GENERAL. At your request, we may delete all or some of the Government or contractor conducted tests required by this contract or order under the following conditions:
  - (1) You have (or your supplier has) previously supplied the identical item to us and we've accepted it, or:
  - (2) You have commercial test reports, performance data, analytical data, or vendor reports demonstrating that the item you will be furnishing us meets the contract requirements.
- (b) HOW TO SUBMIT A TEST-DELETION REQUEST.
  - (1) BEFORE CONTRACT AWARD - Submit your request along with your offer in response to our solicitation. Make sure that your offer includes an alternate price (that reflects how your offered price would change if we approved your request to delete the specified tests). If we approve your request to delete test requirements or substitute commercial testing procedures, we will evaluate your offer at the alternate price submitted with your request. If you don't submit an alternate price with your request, we'll evaluate your offer at the price you indicated. No adjustments will be made to the price after contract award.

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(2) AFTER CONTRACT AWARD - Send your request to the buyer identified on the face page of the contract within 45 days after contract award.

- (3) ALL REQUESTS MUST -
- identify the test(s) you want deleted;
  - include a list of configuration changes made;
  - demonstrate that you meet the conditions in paragraph (a) (1) or (a) (2) of this clause; and
  - include an alternate price per paragraph (b) (1) above, if you make your request prior to award, or
  - include proposed amount of equitable adjustment, if you make your request after award.

(c) SUPPORTING DATA. If we agree to delete a test or tests, you must keep the data you used to support your request for four years from the day we approved your request. You must provide us with such data if we ask for a copy.

(d) CONTRACT ADJUSTMENT. If we agree to delete a test or tests after contract award, we may negotiate an equitable adjustment in the contract price. Any such negotiation will be conducted using the rules given in the CHANGES-FIXED PRICE Clause, FAR 52.243-1.

M915/FLT-BD, TRUCK, FLATBED QUALITY REQUIREMENTS

E.11 First Article Approval - Contractor Testing

The General Provision entitled First Article Approval - Contractor Testing (FAR 52.209-3 Alternate II) is applicable to this contract. The First Article requirement under this contract is the Acceptance Test (AT).

E.12 Acceptance Test

The Acceptance Test shall be performed by the Contractor and witnessed by the Government on the first completed production vehicle. The vehicle shall be subjected to Acceptance Tests as cited in the vehicles Purchase Description, Paragraph 4.4. The test shall be conducted at the contractors facility. The Government will not accept vehicles until the acceptance test has been successfully completed and approved. Following test completion, the Contractor shall prepare and submit a First Article test report to the Government in contractor format.

E.13 Acceptance Test Results Notification

The contractor will be notified within 10 days after Government receipt of the First Article test report that the Acceptance Test has been approved, conditionally approved or rejected. The notice of approval or conditional approval shall not relieve the contractor from complying with all of the requirements of the purchase description and all other terms and conditions of this contract. A notice of conditional approval shall state any further actions required. A notice of disapproval shall cite reasons for disapproval. If the Acceptance Test is rejected, the test vehicle is rejected until evidence is provided that corrective action has been taken to eliminate the defect(s). In the event of an acceptance test failure, the contractor may be required to repeat any portions or the entire Acceptance Test. Any defect found during AT shall be prima facie evidence that all items produced prior to AT are similarly deficient. All defects shall be corrected at contractor expense.

E.14 Final Inspection Record

To determine conformance to Section 3 in its entirety, each vehicle shall be examined, inspected and tested, in accordance with the Final Inspection Record. Each vehicle and its components and subsystems shall be fully inspected for proper function, operation and correction of defects made as required to ensure an acceptable vehicle.

E.15 Engineering Change Inspection and Test

The contractor shall not make any changes to any vehicle system or component part after approval of the Acceptance Test unless the changes are approved through the Engineering Change Proposal (ECP) process.

a. The Government reserves the right to inspect the vehicle systems or components at contractor expense in order to determine whether changes submitted by ECP should be approved. Any production or delivery delays caused by our re-inspection will not be considered as Excusable delay since this is used in the contract article entitled Default. In addition, such delays shall not be the basis for an upward adjustment in contract prices or an extension of delivery schedules.

b. The Government reserves the right to conduct additional testing at contractor expense if we believe any proposed engineering changes may have a potential negative impact on the ability of the vehicle to meet the requirements of the vehicle performance specification.

E.16 Change of Suppliers

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If the contractor elects to change sources of supply for any vehicle component after conditional acceptance of the vehicle configuration, the Government reserves the right to conduct additional inspections prior to acceptance of any item contained in the new component. The contractor shall be responsible for costs of inspection and test to assure the components meet specification criteria. Any production or delivery delays caused by the additional inspection / testing shall not be excusable delays as the term is defined in the contract as Default. Further, such delays shall not form the basis for adjustments in process or delivery schedules.

E.17            Certifications

All certifications provided by the contractor shall include appropriate supporting documentation such as, but not limited to test data, material analysis, drawings, purchase orders, specifications, etc. In the event that particular certifications are not acceptable to the government, the contractor shall conduct additional examinations and test and /or provide additional documentation as required to verify conformance at no additional cost to the Government.

- a. The contractor shall provide a new or updated certification whenever a change is made in the:
  - 1. Process used to provide a certified product.
  - 2. Legal requirement for a standard or certified product.
  - 3. Supplier of a certified product.
  - 4. Event of a new contract / rebuy
- b. Subcontracting does not relieve the contractor from providing all of the necessary supporting documentation for all certifications provided to the Government.

M915 SEPTIC TANK TRUCK, NAVY QUALITY REQUIREMENTS

E.18            First Article Approval - Contractor Testing

The General Provision entitled First Article Approval - Contractor Testing (FAR 52.209-3 Alternate II) is applicable to this contract. The First Article requirement under this contract is the Acceptance Test (AT).

E.19            Acceptance Test

The Acceptance Test shall be performed by the Contractor and witnessed by the Government on the first completed production vehicle. The vehicle shall be subjected to Acceptance Tests as cited in the vehicles Purchase Description, Paragraph 4.4. The test shall be conducted at the contractors facility. The Government will not accept vehicles until the acceptance test has been successfully completed and approved. Following test completion, the Contractor shall prepare and submit a First Article test report to the Government in contractor format.

E.20            Acceptance Test Results Notification

The contractor will be notified within 10 days after Government receipt of the First Article test report that the Acceptance Test has been approved, conditionally approved or rejected. The notice of approval or conditional approval shall not relieve the contractor from complying with all of the requirements of the purchase description and all other terms and conditions of this contract. A notice of conditional approval shall state any further actions required. A notice of disapproval shall cite reasons for disapproval. If the Acceptance Test is rejected, the test vehicle is rejected until evidence is provided that corrective action has been taken to eliminate the defect(s). In the event of an acceptance test failure, the contractor may be required to repeat any portions or the entire Acceptance Test. Any defect found during AT shall be prima facie evidence that all items produced prior to AT are similarly deficient. All defects shall be corrected at contractor expense.

E.21            Final Inspection Record

To determine conformance to Section 3 in its entirety, each vehicle shall be examined, inspected and tested, in accordance with the Final Inspection Record. Each vehicle and its components and subsystems shall be fully inspected for proper function, operation and correction of defects made as required to ensure an acceptable vehicle.

E.22            Engineering Change Inspection and Test

The contractor shall not make any changes to any vehicle system or component part after approval of the Acceptance Test unless the changes are approved through the Engineering Change Proposal (ECP) process.

- a. The Government reserves the right to inspect the vehicle systems or components at contractor expense in order to determine whether changes submitted by ECP should be approved. Any production or delivery delays caused by our re-inspection will not be considered as Excusable delay since this is used in the contract article entitled Default. In addition, such delays shall not be the basis for an upward adjustment in contract prices or an extension of delivery schedules.

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b. The Government reserves the right to conduct additional testing at contractor expense if we believe any proposed engineering changes may have a potential negative impact on the ability of the vehicle to meet the requirements of the vehicle performance specification.

E.23            Change of Suppliers

If the contractor elects to change sources of supply for any vehicle component after conditional acceptance of the vehicle configuration, the Government reserves the right to conduct additional inspections prior to acceptance of any item contained in the new component. The contractor shall be responsible for costs of inspection and test to assure the components meet specification criteria. Any production or delivery delays caused by the additional inspection / testing shall not be excusable delays as the term is defined in the contract as Default. Further, such delays shall not form the basis for adjustments in process or delivery schedules.

E.24            Certifications

All certifications provided by the contractor shall include appropriate supporting documentation such as, but not limited to test data, material analysis, drawings, purchase orders, specifications, etc. In the event that particular certifications are not acceptable to the government, the contractor shall conduct additional examinations and test and /or provide additional documentation as required to verify conformance at no additional cost to the Government.

- a. The contractor shall provide a new or updated certification whenever a change is made in the:
  - 1. Process used to provide a certified product.
  - 2. Legal requirement for a standard or certified product.
  - 3. Supplier of a certified product.
  - 4. Event of a new contract / rebuy
- b. Subcontracting does not relieve the contractor from providing all of the necessary supporting documentation for all certifications provided to the Government.

\*\*\* END OF NARRATIVE E 001 \*\*\*